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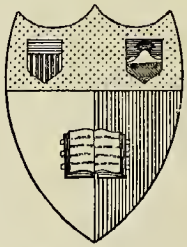
HAMMOND'S BUSINESS ATLAS of ECONOMIC GEOGRAPHY



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HAMMOND'S
BUSINESS ATLAS
of
ECONOMIC GEOGRAPHY

A New Series of Maps Showing:

Relief of the Land

Temperature

Rainfall

Ocean Currents

Natural Vegetation

Productive and Non-Productive Regions

Mineral Products

Agricultural Products

Distribution of Population, Etc., Etc.

New York

C. S. HAMMOND & COMPANY, Inc.

Engravers - Printers - Publishers

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Hammond's Business Atlas of Economic Geography

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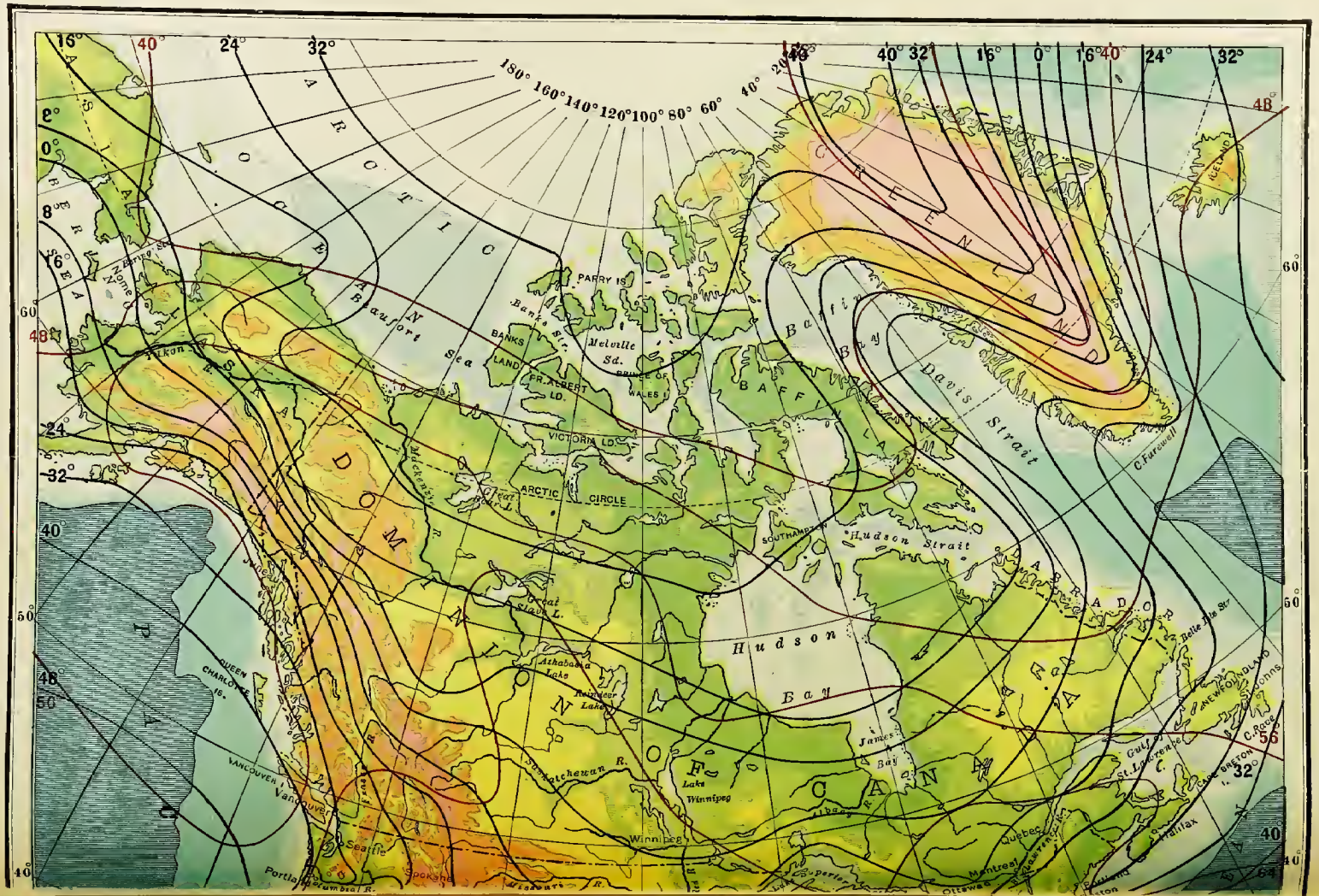
WESTERN HEMISPHERE

EASTERN HEMISPHERE


ARCTIC OCEAN
PACIFIC OCEAN
ATLANTIC OCEAN
DOMINION OF CANADA
GREENLAND
ICELAND
Hudson Bay
Baffin Bay
Davis Strait
Hudson Strait
Beaufort Sea
Bering Sea
Great Slave L.
Athabasca Lake
Reindeer Lake
Lake Winnipeg
Winnipeg
Saskatchewan R.
Mackenzie R.
Yukon R.
Columbia R.
Fraser R.
St. Lawrence R.
Ottawa R.
Albany R.
James Bay
Gulf of St. Lawrence
Lake Superior
Lake Ontario
Lake Erie
Lake Michigan
Lake Huron
Lake Winnipeg
Lake Athabasca
Great Slave L.
Great Bear L.
Reindeer Lake
Victoria Ld.
Fr. Albert Ld.
Banks Land
Parry Is.
Melville Sd.
Prince of Wales I.
Arctic Circle
Vancouver
Seattle
Portland
Spokane
Winnipeg
Quebec
Montreal
Ottawa
Halifax
St. John's
Newfoundland
Cape Breton I.
C. Farewell
C. Race
Belle Isle Str.
Queen Charlotte Is.
Nome
Yukon
Southampton I.
Iceland
16°
40°
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48°
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64°
8°
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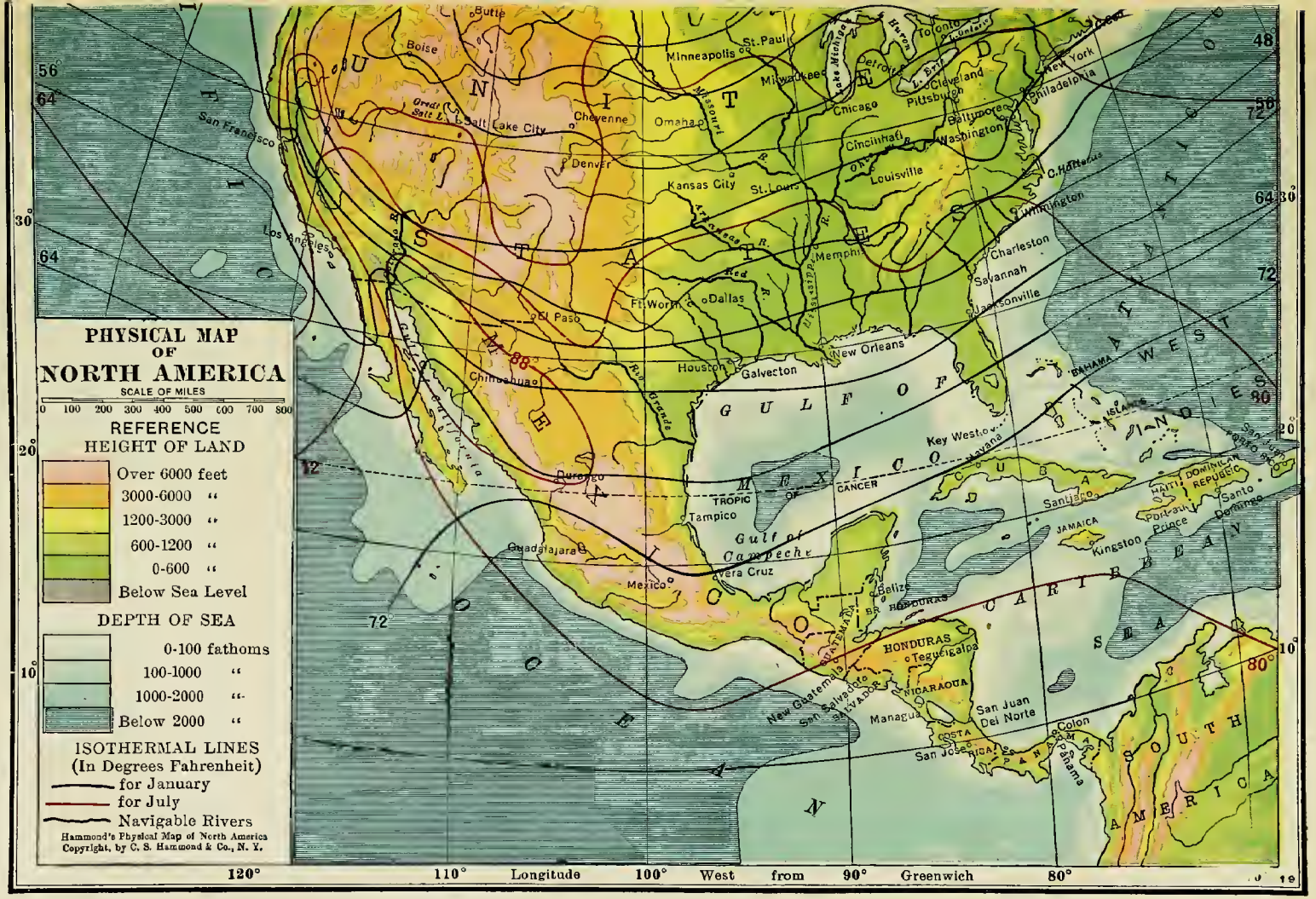
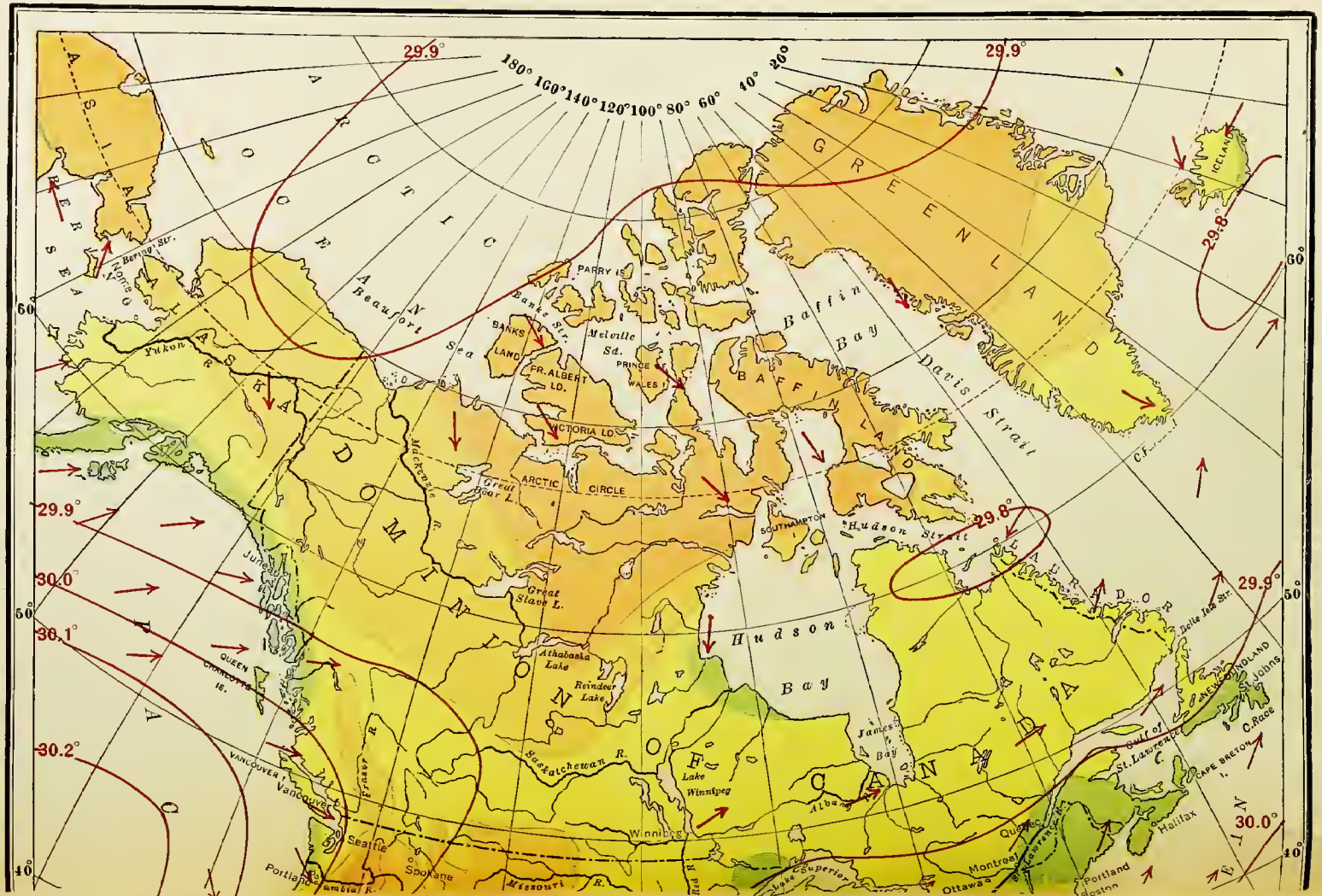

PHYSICAL MAP
OF
NORTH AMERICA
SCALE OF MILES
0 100 200 300 400 500 600 700 800
REFERENCE
HEIGHT OF LAND
Over 6000 feet
3000-6000 "
1200-3000 "
600-1200 "
0-600 "
Below Sea Level
DEPTH OF SEA
0-100 fathoms
100-1000 "
1000-2000 "
Below 2000 "
ISOTHERMAL LINES
(In Degrees Fahrenheit)
for January
for July
Navigable Rivers
Hammond's Physical Map of North America
Copyright, by C. S. Hammond & Co., N. Y.
Longitude West from Greenwich
120° 110° 100° 90° 80°
Butte
Boise
Minneapolis
St. Paul
Milwaukee
Detroit
Toronto
Chicago
Pittsburgh
Cleveland
New York
Philadelphia
Baltimore
Washington
Cincinnati
Louisville
Salt Lake City
Cheyenne
Omaha
Denver
Kansas City
St. Louis
Memphis
Charleston
Savannah
Jacksonville
Wilmington
San Francisco
Los Angeles
El Paso
Ft. Worth
Dallas
Houston
Galveston
New Orleans
Chihuahua
Durango
Tampico
Guadalajara
Mexico
Vera Cruz
Gulf of Campeche
Key West
Havana
Belize
HONDURAS
Tegucigalpa
NICARAGUA
Managua
San Juan Del Norte
COSTA RICA
San Jose
Colon
Panama
Kingston
JAMAICA
Port-au-Prince
HAITI
DOMINICAN REPUBLIC
Santo Domingo
Santiago
BAHAMA ISLANDS
TROPIC OF CANCER
GULF OF MEXICO
CARIBBEAN SEA
NORTH AMERICA
SOUTH AMERICA
PACIFIC OCEAN
ATLANTIC OCEAN
WEST INDIES


29.9°
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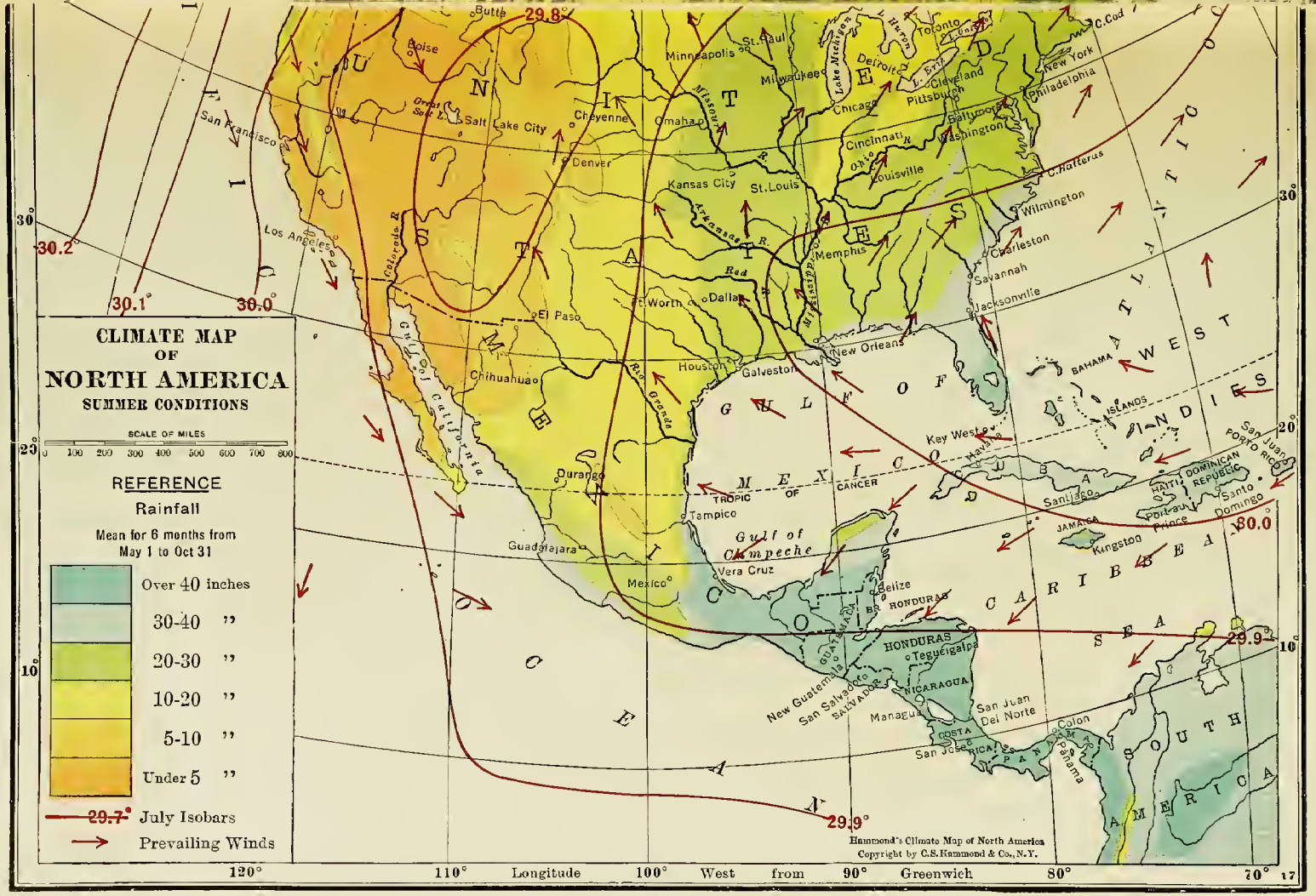
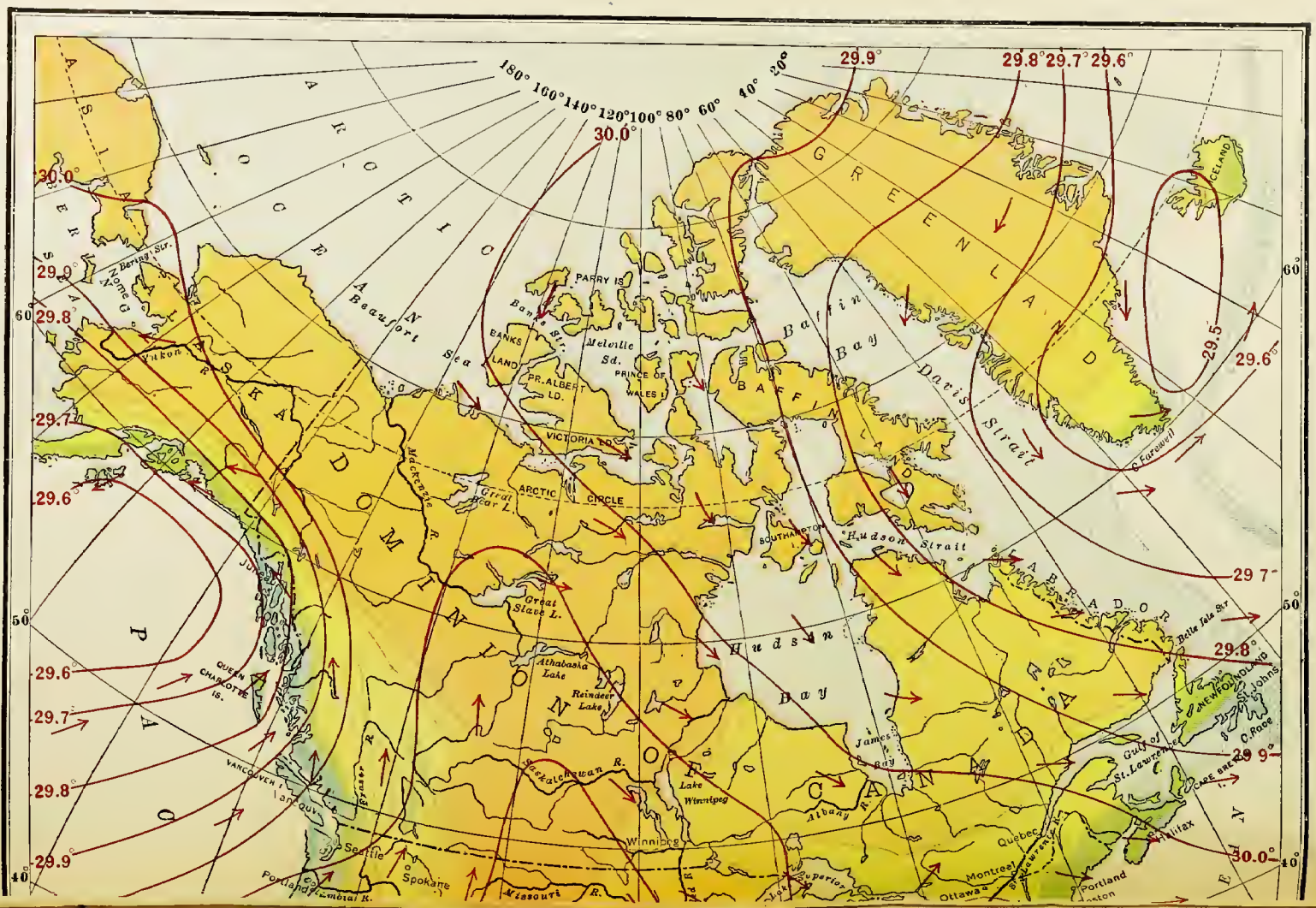
29.9°
ARCTIC OCEAN
GREENLAND
ICELAND
29.8°
60°
ASIA
BERING SEA
Bering Str.
North Cape
Beaufort Sea
Banks Str.
PARRY IS.
BANKS LAND
Melville Sd.
PRINCE WALES I.
FR. ALBERT LD.
VICTORIA LD.
Baffin Bay
Davis Strait
BAFFIN LAND
Yukon R.
ALASKA
Mackenzie R.
Great Bear L.
ARCTIC CIRCLE
SOUTHAMPTON I.
Hudson Strait
29.8°
29.9°
29.9°
30.0°
30.1°
Juneau
Great Slave L.
Belle Isle Str.
NEWFOUNDLAND
St. John's
C. Race
Athabaska Lake
Reindeer Lake
Hudson Bay
James Bay
Gulf of St. Lawrence
CAPE BRETON I.
QUEEN CHARLOTTE IS.
Fraser R.
Saskatchewan R.
Lake Winnipeg
Alb.
Halifax
30.2°
VANCOUVER I.
Vancouver
Seattle
Winnipeg
Quebec
30.0°
Portland
Spokane
Missouri R.
Lake Superior
Montreal
Ottawa
Portland
Boston
60°
50°
40°


CLIMATE MAP
OF
NORTH AMERICA
SUMMER CONDITIONS
SCALE OF MILES
0 100 200 300 400 500 600 700 800
REFERENCE
Rainfall
Mean for 6 months from
May 1 to Oct 31
Over 40 inches
30-40 "
20-30 "
10-20 "
5-10 "
Under 5 "
29.7° July Isobars
Prevailing Winds
Hammond's Climate Map of North America
Copyright by C.S. Hammond & Co., N.Y.
29.8°
30.2°
30.1°
30.0°
29.9°
29.9°
30.0°
Boise
Butte
San Francisco
Salt Lake City
Great Salt L.
Cheyenne
Denver
Omaha
Minneapolis
St. Paul
Milwaukee
Chicago
Detroit
Lake Michigan
L. Huron
Toronto
Ontario
L. Erie
Cleveland
Pittsburgh
New York
Philadelphia
C. Cod
Baltimore
Washington
Cincinnati
Ohio R.
Louisville
C. Hatteras
Wilmington
Charleston
Savannah
Jacksonville
Kansas City
St. Louis
Missouri R.
Arkansas R.
Red R.
Mississippi R.
Memphis
Los Angeles
Colorado R.
El Paso
Ft. Worth
Dallas
Houston
Galveston
New Orleans
Chihuahua
Rio Grande
Gulf of California
Durango
Tampico
Guadalajara
Mexico
Vera Cruz
Gulf of Campeche
Belize
BR. HONDURAS
GUATEMALA
HONDURAS
Tegucigalpa
NICARAGUA
New Guatemala
San Salvador
SALVADOR
Managua
San Juan Del Norte
COSTA RICA
San José
Colon
PANAMA
Panama
Key West
Havana
CUBA
BAHAMA ISLANDS
HAITI
DOMINICAN REPUBLIC
Port au Prince
Santo Domingo
San Juan
PORTO RICO
JAMAICA
Kingston
TROPIC OF CANCER
ATLANTIC OCEAN
WEST INDIES
CARIBBEAN SEA
SOUTH AMERICA
120° 110° Longitude 100° West from 90° Greenwich 80° 70°
30° 20° 10°


180° 160° 140° 120° 100° 80° 60° 40° 20°
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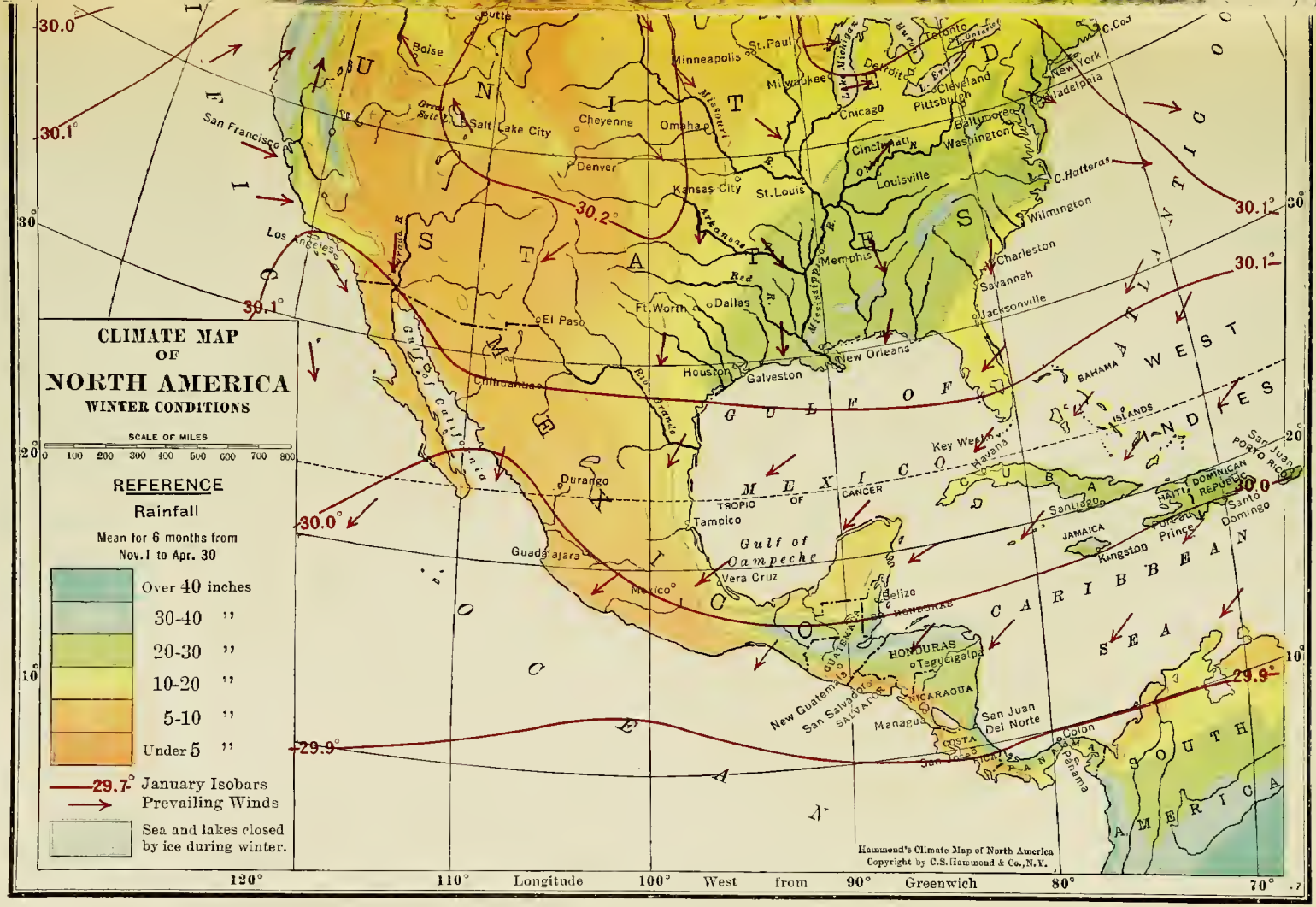
29.8° 29.7° 29.6°
29.5°
29.7°
29.6°
29.8°
29.9°
30.0°
60°
50°
40°
ARCTIC OCEAN
Beaufort Sea
Baffin Bay
Davis Strait
Hudson Strait
Hudson Bay
GREENLAND
ICELAND
ALASKA
Bering Str.
Nome
Yukon R.
PARRY IS.
Banks Str.
BANKS LAND
Melville Sd.
PRINCE OF WALES I.
PR. ALBERT LD.
VICTORIA ID.
BAFFIN LAND
C. Farewell
Mackenzie R.
Great Bear L.
ARCTIC CIRCLE
SOUTHAMPTON I.
LABRADOR
Great Slave L.
Athabasca Lake
Reindeer Lake
Saskatchewan R.
Lake Winnipeg
James Bay
Belle Isle Str.
NEWFOUNDLAND
St. John's
C. Race
Gulf of St. Lawrence
LAKE BREVOORT
Albany R.
Winnipeg
Quebec
Halifax
Montreal
Ottawa
St. Lawrence R.
Portland
Lake Superior
Missouri R.
Columbia R.
Fraser R.
QUEEN CHARLOTTE IS.
VANCOUVER I.
Seattle
Portland
Spokane
PACIFIC OCEAN
CANADA


CLIMATE MAP
OF
NORTH AMERICA
WINTER CONDITIONS
SCALE OF MILES
0 100 200 300 400 500 600 700 800
REFERENCE
Rainfall
Mean for 6 months from
Nov. 1 to Apr. 30
Over 40 inches
30-40 "
20-30 "
10-20 "
5-10 "
Under 5 "
29.7° January Isobars
Prevailing Winds
Sea and lakes closed by ice during winter.
30.0°
30.1°
30.2°
29.9°
Butte
Boise
San Francisco
Salt Lake City
Cheyenne
Omaha
Minneapolis
St. Paul
Milwaukee
Chicago
Toronto
Detroit
Cleveland
Pittsburgh
New York
Philadelphia
Baltimore
Washington
Cincinnati
Louisville
Denver
Kansas City
St. Louis
Los Angeles
El Paso
Ft. Worth
Dallas
Memphis
Charleston
Savannah
Jacksonville
Wilmington
C. Hatteras
C. Cod
New Orleans
Houston
Galveston
Chihuahua
Durango
Tampico
Guadalajara
Mexico
Vera Cruz
Gulf of Campeche
Belize
Key West
Havana
Santiago
Jamaica
Kingston
Haiti
Dominican Republic
Port au Prince
Santo Domingo
San Juan
Porto Rico
Bahama Islands
Honduras
Tegucigalpa
Nicaragua
Managua
San Juan Del Norte
Costa Rica
San Jose
Colon
Panama
New Guatemala
San Salvador
Salvador
Gulf of Mexico
Caribbean Sea
South America
Hammond's Climate Map of North America
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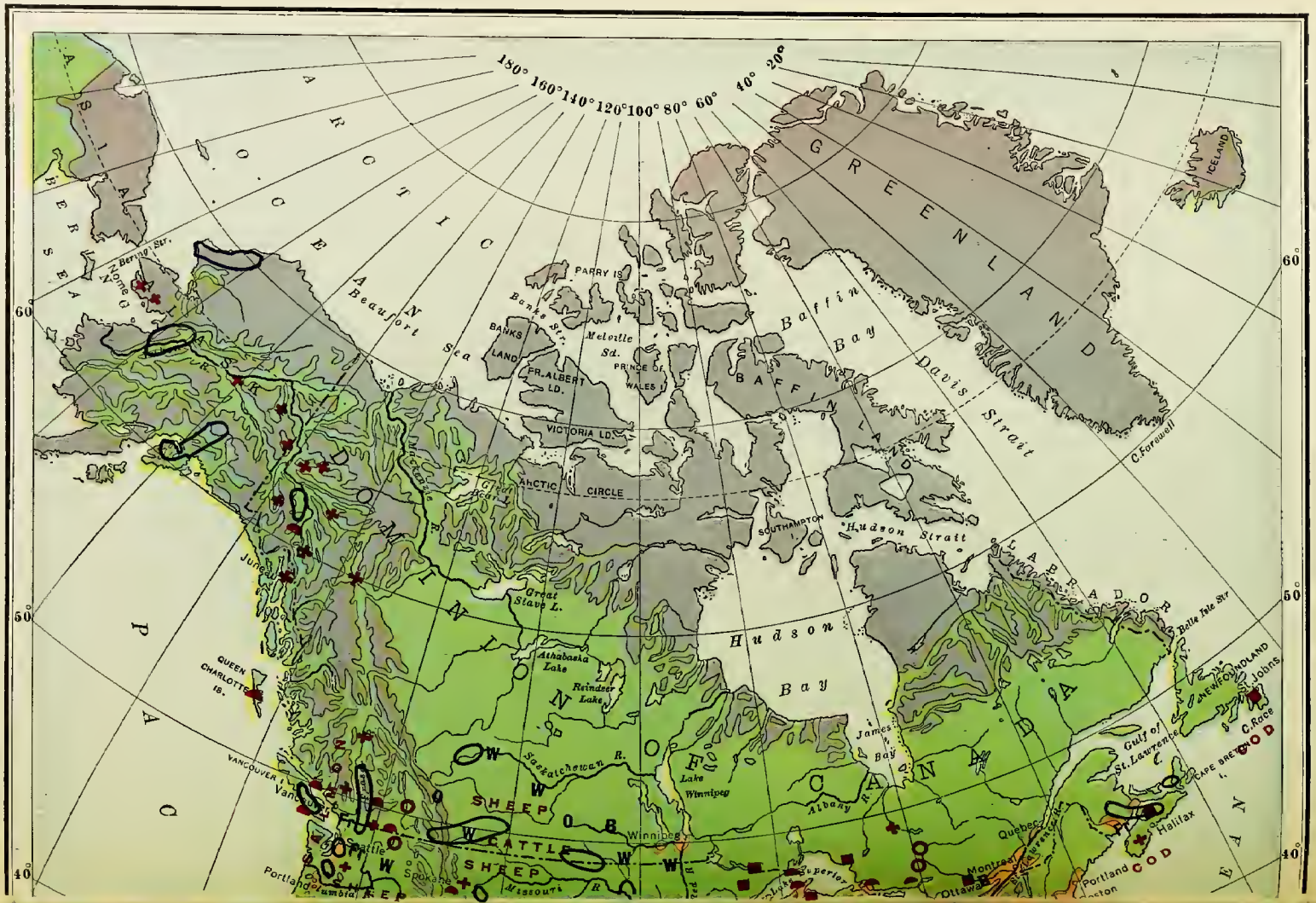
120° 110° Longitude 100° West from 90° Greenwich 80° 70°

180° 160° 140° 120° 100° 80° 60° 40° 20°
ARCTIC OCEAN
GREENLAND
ICELAND
Asia
Bering Str.
Nome
Yukon R.
ALASKA
Beaufort Sea
PARRY IS.
Banks Land
Fr. Albert Ld.
Melville Sd.
Prince of Wales
Victoria Ld.
Baffin Bay
Davis Strait
C. Farewell
BAFFIN LAND
Mackenzie R.
Great Bear L.
ARCTIC CIRCLE
Great Slave L.
Hudson Strait
LABRADOR
Belle Isle Str.
Athabasca Lake
Reindeer Lake
Hudson Bay
NEWFOUNDLAND
St. Johns
C. Race
CANADA
James Bay
Gulf of St. Lawrence
CAPE BRETON I.
QUEEN CHARLOTTE IS.
PACIFIC OCEAN
Saskatchewan R.
Lake Winnipeg
Albany R.
VANCOUVER I.
Vancouver
Seattle
Winnipeg
Quebec
Halifax
Portland
Boston
Montreal
Ottawa
Lake Superior
Missouri R.
60°
50°
40°

VEGETATION MAP
OF
NORTH AMERICA
SCALE OF MILES
0 100 200 300 400 500 600 700 800
REFERENCE
Natural Vegetation
Ice Desert, Tundra and Alpine Flora
Northern and Eastern Coniferous Forest
Cordilleran and Pacific Coniferous Forest
Broad-leaved Forest and Meadow
Upland Broad-leaved Forest and Meadow
Evergreen Forest
Evergreen Trees and Shrubs
Temperate Grasslands
Semi-desert
Desert
Tropical Grasslands
Tropical Thorn Forest
Tropical and Equatorial Forest
Hammond's Vegetation Map of North America
Copyright by C.S. Hammond & Co., N.Y.
120° 110° Longitude 100° West from 90° Greenwich 80° 70°
30° 20° 10°
PACIFIC OCEAN
ATLANTIC OCEAN
GULF OF MEXICO
CARIBBEAN SEA
WEST INDIES
UNITED STATES
MEXICO
SOUTH AMERICA
San Francisco
Los Angeles
Salt Lake City
Denver
Cheyenne
Omaha
Minneapolis
St. Paul
Milwaukee
Chicago
Detroit
Toronto
Buffalo
Cleveland
Pittsburg
New York
Philadelphia
Baltimore
Washington
C. Cod
C. Hatteras
Wilmington
Charleston
Savannah
Jacksonville
Cincinnati
Louisville
Kansas City
St. Louis
Memphis
Ft. Worth
Dallas
El Paso
Houston
Galveston
New Orleans
Key West
Havana
Bahama Islands
Jamaica
Kingston
Santiago
San Juan Porto Rico
Santo Domingo
Haiti
Dominican Republic
Prince
Tampico
Vera Cruz
Durango
Guadalajara
Mexico
Gulf of Campeche
Belize
Honduras
Nicaragua
Costa Rica
Managua
San Juan Del Norte
San Jose
Colon
Panama
Tropic of Cancer
Rio Grande
Colorado R.
Mississippi R.
Missouri R.
Arkansas R.
Red R.
Gulf of California


180° 160° 140° 120° 100° 80° 60° 40° 20°
ARCTIC OCEAN
Beaufort Sea
BERING SEA
Bering Str.
Nome
ALASKA
PACIFIC
GREENLAND
ICELAND
Baffin Bay
Davis Strait
C. Farewell
PARRY IS.
Banks Str.
BANKS LAND
Melville Sd.
PRINCE OF WALES
FR. ALBERT LD.
VICTORIA LD.
BAFFIN LAND
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SOUTHAMPTON
Hudson Strait
LABRADOR
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Great Slave L.
Hudson Bay
Athabaska Lake
Reindeer Lake
QUEEN CHARLOTTE IS.
James Bay
NEWFOUNDLAND
St. Johns
C. Race
Gulf of St. Lawrence
CAPE BRETON
Saskatchewan R.
Lake Winnipeg
Albany R.
Halifax
Quebec
Montreal
Ottawa
St. Lawrence R.
Lake Superior
Winnipeg
Portland
Boston
Vancouver
Seattle
Spokane
Portland
Columbia R.
Missouri R.
SHEEP
CATTLE
SHEEP
COD
COD
60°
50°
40°

ECONOMIC MAP
OF
NORTH AMERICA
SCALE OF MILES
0 100 200 300 400 500 600 700 800
REFERENCE
Industrial Districts
Productive Regions
Non-Productive
Coal
Iron
Silver
Copper
Gold
Petroleum
Principal Workings
Agricultural products are indicated by initial letters in districts where the products are largely obtained:-
B Barley
Ca Cacao
Cf Coffee
Ct Cotton
Fr Fruit
M Maize
O Oats
Ri Rice
Su Sugar
To Tobacco
V Vineyards
W Wheat
Navigable Rivers
Hammond's Economic Map of North America
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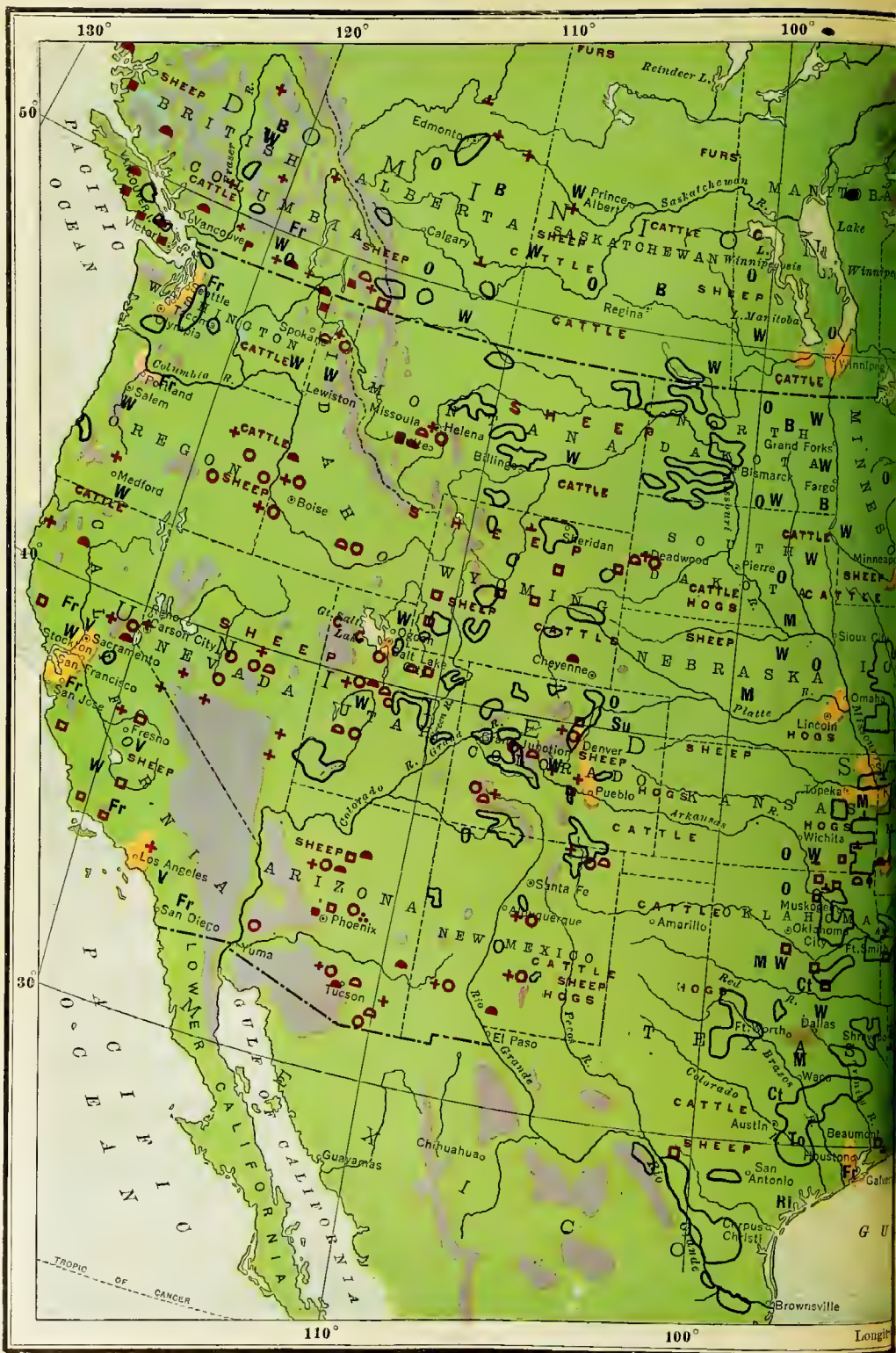
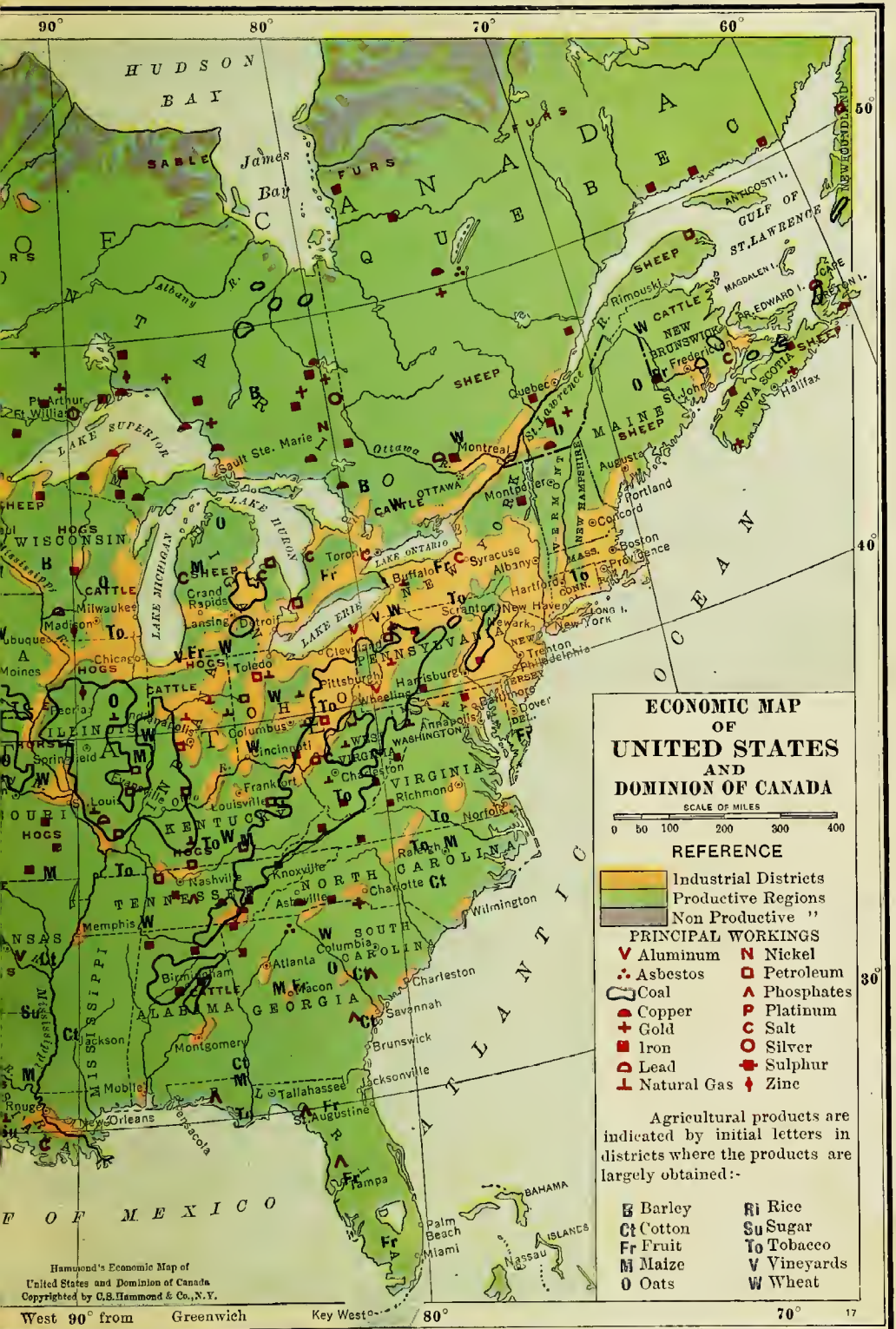
120° 110° Longitude 100° West from 90° Greenwich 80° 70°
30° 20° 10°
PACIFIC OCEAN
ATLANTIC OCEAN
CARIBBEAN SEA
GULF OF MEXICO
SHEEP
CATTLE
COTTON
WHEAT
MAIZE
TOBACCO
FRUIT
San Francisco
Los Angeles
Salt Lake City
Cheyenne
Denver
Omaha
Kansas City
St. Louis
Minneapolis
St. Paul
Milwaukee
Chicago
Detroit
Cleveland
Pittsburgh
Buffalo
Toronto
New York
Philadelphia
Baltimore
Washington
Richmond
Norfolk
C. Hatteras
Louisville
Cincinnati
Memphis
Nashville
Charleston
Savannah
Jacksonville
Wilmington
Fort Worth
Dallas
El Paso
Houston
Galveston
New Orleans
Chihuahua
Durango
Tampico
Guadalajara
Mexico
Vera Cruz
Key West
Havana
BAHAMA ISLANDS
JAMAICA
Kingston
Santiago
Port au Prince
HAITI
DOMINICAN REPUBLIC
Santo Domingo
PORTO RICO
San Juan
Belize
BR. HONDURAS
HONDURAS
Tegucigalpa
NICARAGUA
Managua
San Juan Del Norte
COSTA RICA
San Jose
Colon
Panama
PANAMA
New Guatemala
San Salvador
SALVADOR
Gulf of Campeche
Gulf of California
Rio Grande
Mississippi R.
Missouri R.
Arkansas R.
Ohio R.
Lake Michigan
Lake Superior
TROPIC OF CANCER
WEST INDIES
CENTRAL AMERICA
AMERICA


130°
120°
110°
100°
50
40
30
PACIFIC OCEAN
BRITISH COLUMBIA
ALBERTA
SASKATCHEWAN
MANITOBA
WASHINGTON
OREGON
CALIFORNIA
IDAHO
NEVADA
MONTANA
WYOMING
UTAH
ARIZONA
COLORADO
NEW MEXICO
NORTH DAKOTA
SOUTH DAKOTA
NEBRASKA
KANSAS
OKLAHOMA
TEXAS
MINNESOTA
Edmonton
Calgary
Regina
Winnipeg
Reindeer L.
Lake Winnipeg
Prince Albert
Saskatchewan R.
Vancouver
Victoria
Seattle
Tacoma
Spokane
Portland
Salem
Lewiston
Columbia R.
Fraser R.
Missoula
Helena
Billings
Bismarck
Grand Forks
Fargo
Minneapolis
Medford
Boise
Sheridan
Pierre
Carson City
Reno
Sacramento
Stockton
San Francisco
San Jose
Fresno
Los Angeles
San Diego
Salt Lake City
Great Salt Lake
Cheyenne
Denver
Pueblo
Colorado R.
Green R.
Platte R.
Omaha
Lincoln
Sioux City
Topeka
Wichita
Arkansas R.
Santa Fe
Albuquerque
Amarillo
Muskogee
Oklahoma City
Ft. Smith
Phoenix
Yuma
Tucson
El Paso
Rio Grande
Pecos R.
Red R.
Ft. Worth
Dallas
Waco
Brazos R.
Austin
Houston
Beaumont
San Antonio
Corpus Christi
Brownsville
Rio Grande
Guaymas
Chihuahua
GULF OF CALIFORNIA
LOWER CALIFORNIA
TROPIC OF CANCER
FURS
CATTLE
SHEEP
HOGS
W
Fr
O
B
M
Su
Ct
Yo
Hi
110°
100°



ECONOMIC MAP OF UNITED STATES AND DOMINION OF CANADA

SCALE OF MILES

0 50 100 200 300 400

REFERENCE

- Industrial Districts
- Productive Regions
- Non Productive "

PRINCIPAL WORKINGS

V Aluminum	N Nickel
∴ Asbestos	Petroleum
Coal	Phosphates
Copper	P Platinum
+ Gold	C Salt
Iron	O Silver
Lead	Sulphur
⊥ Natural Gas	Zinc

Agricultural products are indicated by initial letters in districts where the products are largely obtained:-

B Barley	Ri Rice
Ct Cotton	Su Sugar
Fr Fruit	To Tobacco
M Maize	V Vineyards
O Oats	W Wheat

Hammond's Economic Map of United States and Dominion of Canada
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Seattle
Pembina
San Francisco
San Luis Obispo
Wilmington
Nogales
El Paso
Eagle Pass
Laredo
Hammond's 8 x 11 Map of U.S. Oil and Gas Areas.
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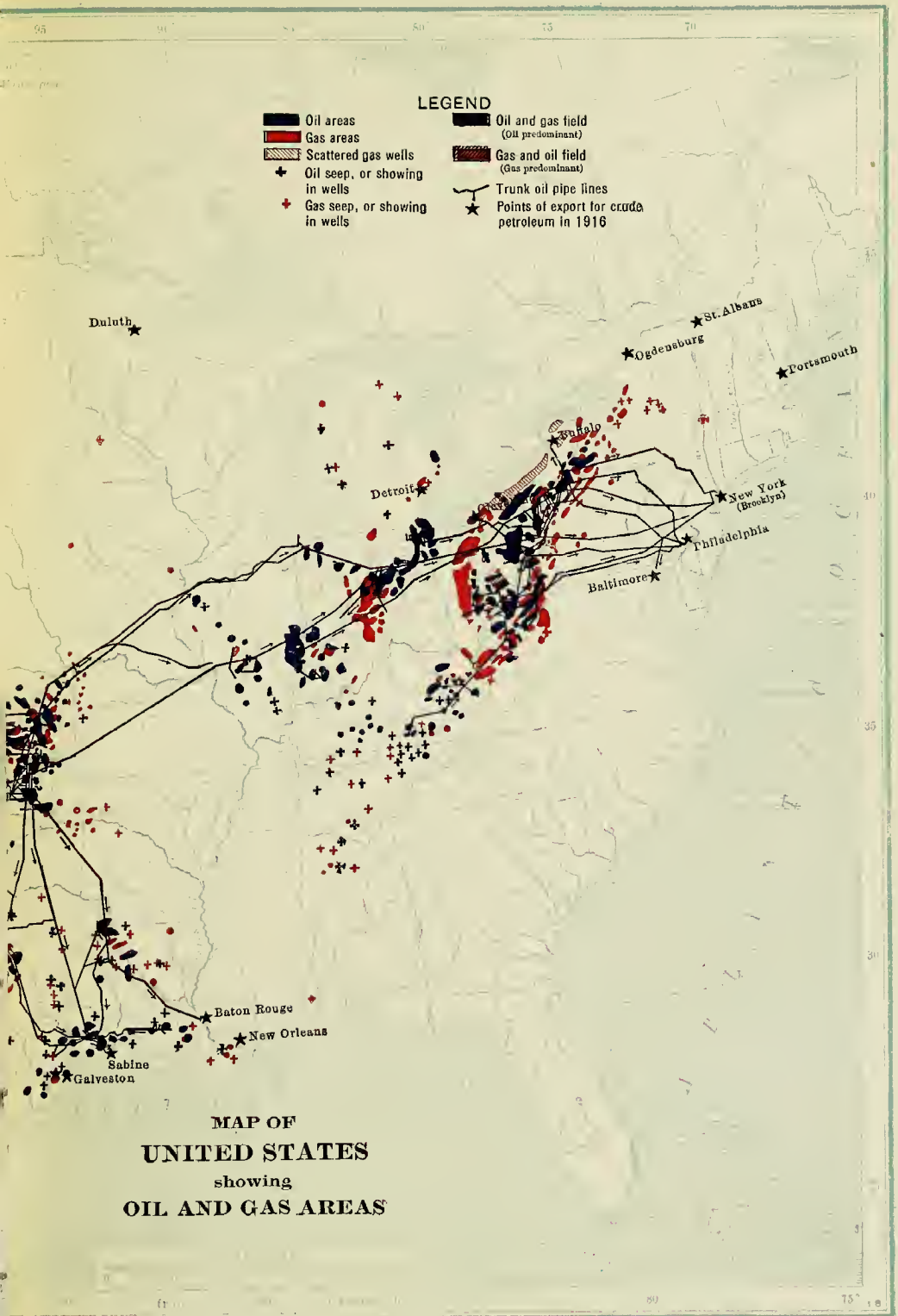


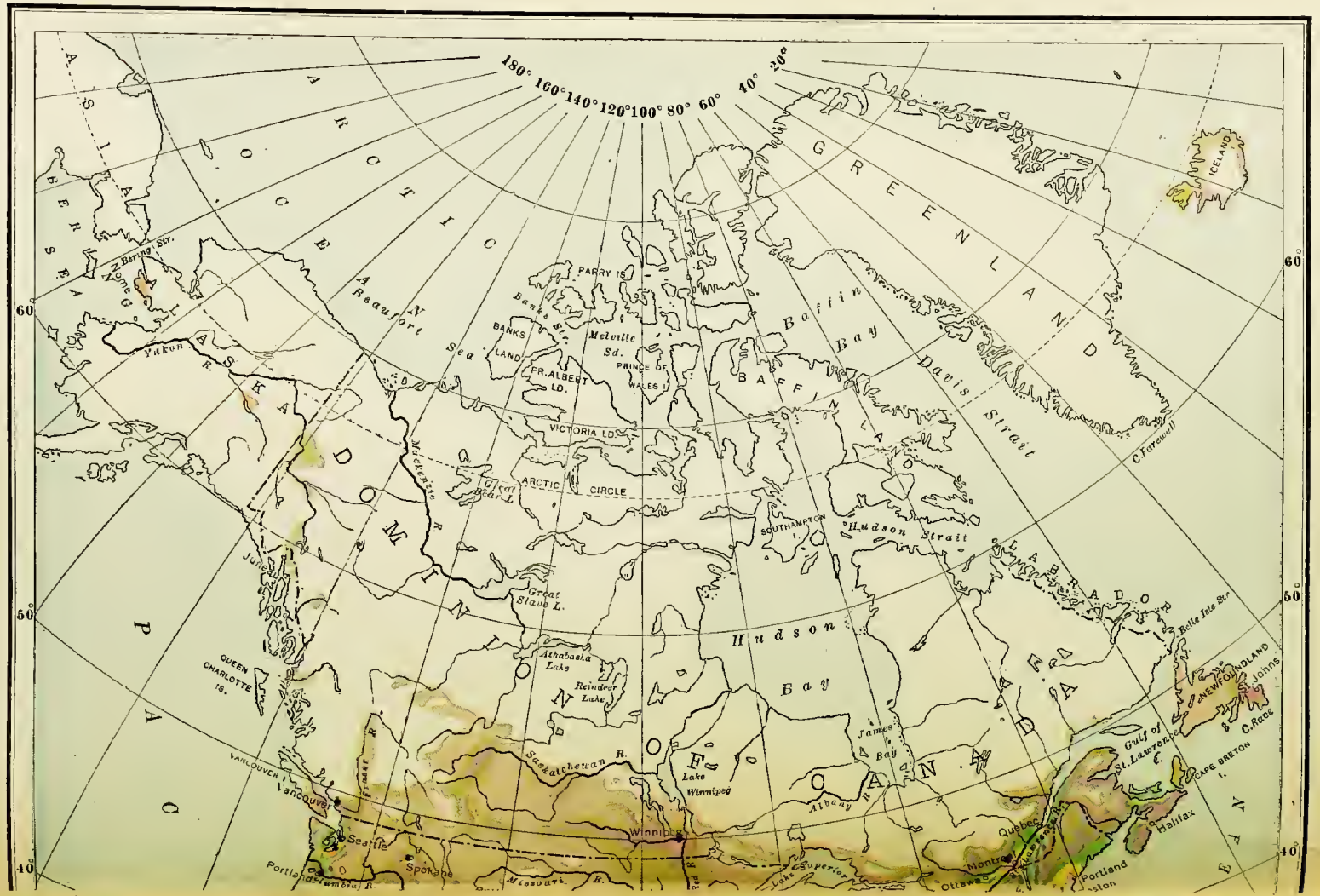
MAP OF
UNITED STATES
showing
OIL AND GAS AREAS

114°
110°
106°
102°
32°
28°
24°
20°
16°
U N I T E
WHEAT
MAIZE
SALT
SHEEP
Juarez
El Paso
Cananea
Rio Grande
MAIZE
WHEAT
HORSES
SHEEP
GULF OF CALIFORNIA
ANGEL DE LA GUARDA I.
TIBURON I.
SAN ESTEBAN I.
Hermosillo
BISMUTH
COBALT
Chihuahua
WHEAT
COTTON
SAN BENITO I.
CEDROS I.
NATIVIDAD I.
SALT
MAIZE
SHEEP
MAIZE
CATTLE
COTTON
SHEEP
MAIZE
SALT
SAN MARCOS I.
PEARLS
WHEAT
SALT
Parral
WHEAT
MULE
GRAPES
CARMEN I.
PEARLS
CATALINA I.
SAN CRUZ I.
SAN JOSE I.
PEARLS
SHEEP
SUGAR
Topolobampo
MAIZE
MANGANESE
COTTON
STA. MARGARITA I.
SAN FRANCISCO I.
Culiacan
COTTON
CATTLE
La Paz
ESPIRITU SANTO I.
Durango
TOBACCO
TROPIC OF CANCER
FRUIT
MANGANESE
SUGAR
SHEEP
WHEAT
C. San Lucas
DE VENADOS I.
Mazatlan
COFFEE
WHEAT
MAIZE
Zacatecas
RICE
COTTON
CATTLE
Aguascalientes
LAS TRES MARIAS
SAN JUANITO I.
MARIA MADRE I.
MARIA MAGDALENA I.
MARIA CLEOFAS I.
TOBACCO
Tepic
MAIZE
COFFEE
SALT
SUGAR
WHEAT
Guadalajara
Chapala
BISMUTH
COBALT
COTTON
WHEAT
MAIZE
SALT
COFFEE
Colima
MAIZE
SALT
RICE
SUGAR
COTTON
REVILLAGIGEDO ISLANDS
ROCA PARTIDA
SAN BENEDICTO I.
CLARION I.
SOCORRO I.
ECONOMIC MAP
OF
MEXICO
SCALE OF MILES
0 50 100 150 200
REFERENCE
Antimony
Coal
Copper
Gold
Iron
Lead
Platinum
Quicksilver
Silver
Sulphur
Tin
Zinc
Hammond's Economic Map of Mexico
Copyright by C.S. Hammond & Co., N.Y.
Longitude West

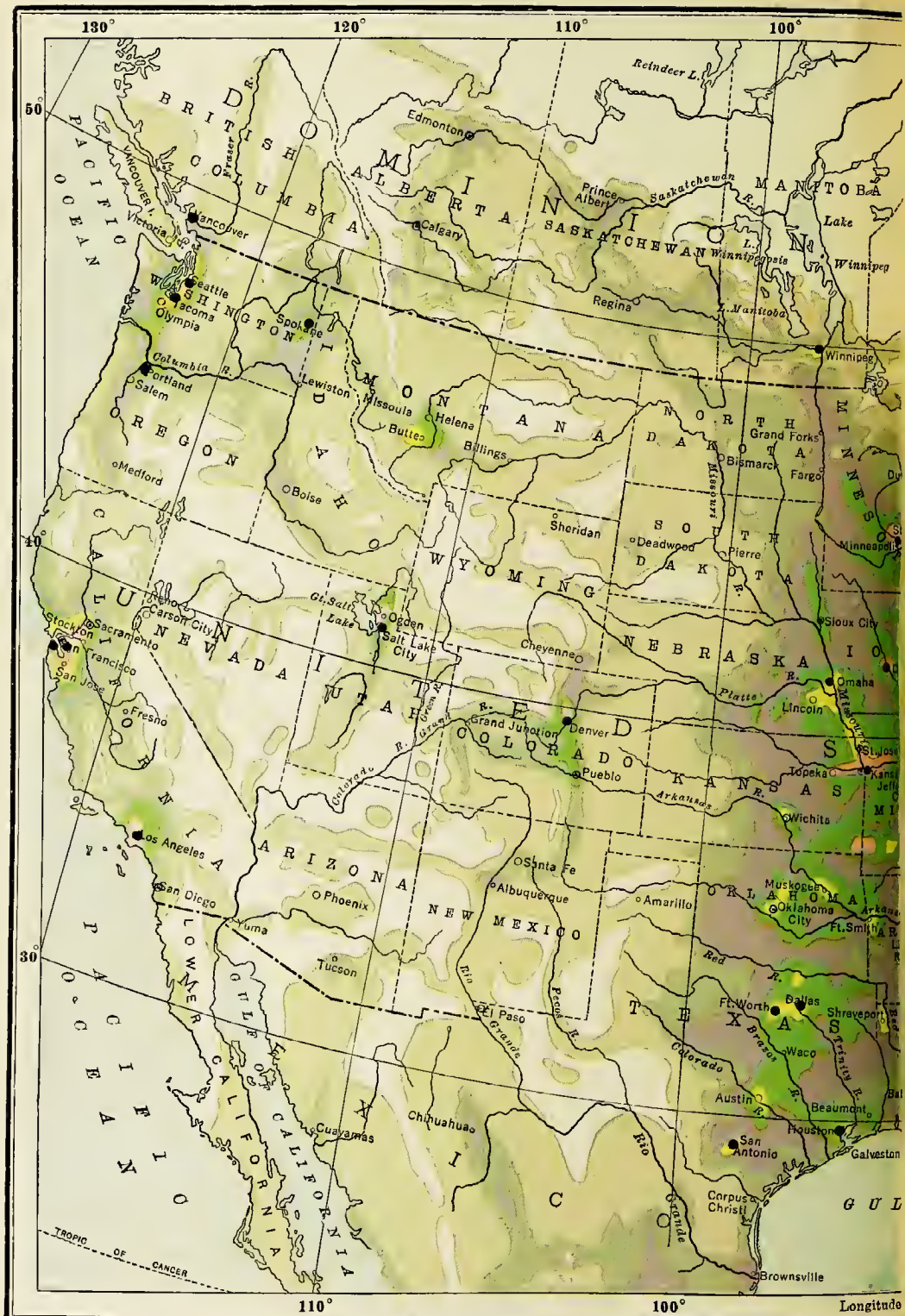
98°
94°
90°
86°
32°
28°
24°
16°
D S T A T E S
Mississippi R.
New Orleans
Galveston
Negras
Nuevo Laredo
HEMP
PADRE ISLAND
Rio Grande
Matamoros
Monterey
Itillo
G U L F
O F
M E X I C O
HEMP
HIDES
Victoria
TROPIC OF CANCER
WHEAT
COTTON
CATTLE
FRUIT
TOBACCO
MANGANESE
San Luis Potosi
Tampico
COFFEE
MAIZE
COTTON
TOBACCO
PETROLEUM
CATTLE
SUGAR
Queretaro
OPALS
TOBACCO
COTTON
Pachuca
MAIZE
VANILLA
JALAP
Jalapa
WHEAT
RUBBER
Del Oro
Mexico
Tlaxcala
MAIZE
COFFEE
TOBACCO
Cuernavaca
Puebla
Vera Cruz
SUGAR
Tasco
SHEEP
CATTLE
COTTON
Chilpancingo
TOBACCO
MAIZE
RUBBER
SALT
INDIGO
COTTON
SALT
Acapulco
WHEAT
Oaxaca
MAIZE
INDIGO
COFFEE
RUBBER
Salina Cruz
COTTON
TOBACCO
GULF OF TEHUANTEPEC
ARENAS CAYS
NUEVO CAY
ARCAS CAYS
Progreso
HOLBOX I.
YUCATAN CHANNEL
Merida
SUGAR
HENEQUEN
COZUMEL I.
LOGWOOD
Campeche
TOBACCO
BEANS
MAIZE
GULF OF CAMPECHE
PUERTO REAL DEL CARMEN I.
TOBACCO
ROSEWOOD
CAYO GRANDE
Puerto Mexico
TOBACCO
RICE
COCOA
RUBBER
SUGAR
COTTON
COFFEE
SUGAR
HEMP
RUBBER
San Juan
PETROLEUM
COFFEE
WHEAT
COFFEE
San Cristobal
BEANS
RUBBER
COFFEE
COCOA
Belize
BRITISH HONDURAS (BELIZE)
TURNEFFE I.
LONG CAY
Gulf of Honduras
GUATEMALA
HONDURAS
New Guatemala
SALVADOR
San Salvador
from Greenwich
98°
94°
90°
17

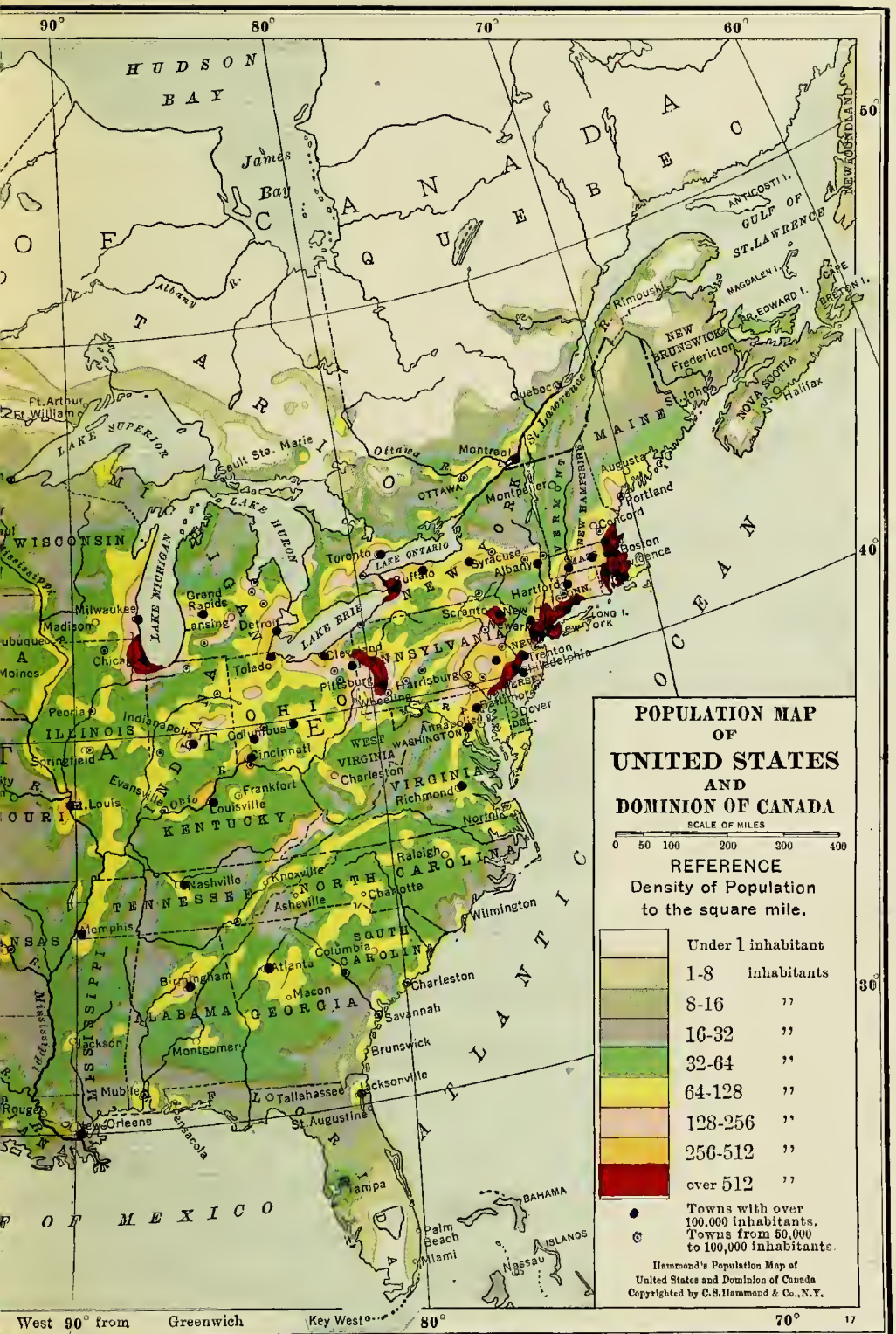
84°
80°
76°
72
24°
20°
16°
12°
FLORIDA (U.S.)
GULF OF MEXICO
Florida Strait
Key West
DRY TORTUGAS
TROPIC OF CANCER
Havana
Matanzas
Yucatan Channel
CUBA
GREAT BAHAMA I.
LIT. ABACO I.
GREAT ABACO I.
SPONGES
BEMINI IS.
BERRY IS.
HARBOR I.
ELEUTHERA I.
Nassau
TURTLES
NEW PROVIDENCE I.
ANDROS I.
FRUIT
EXUMA IS.
CAT I.
SPONGES
SAN SALVADOR OR WATLING I.
CONCEPTION I.
GT. EXUMA I.
RUM KEY
LIT. EXUMA I.
LONG I.
BAHAMA ISLANDS
PLANA KEYS
CROOKED I.
FORTUNE I.
MARIGUANA I.
SPONGES
ACKLIN I.
NORTH CAICOS
PROVIDENCE I.
WEST CAICOS
LITTLE INAGUA I.
GREAT INAGUA I.
DAMAS KEYS
TOBACCO
SUGAR
FRUIT
CEDAR
TOBACCO
MAIZE
RICE
COTTON
CATTLE
SUGAR
BANANAS
SHEEP
COTTON
TOBACCO
TOBACCO
CEDAR
COFFEE
COCOA
SAN FELIPE KEYS
ISLE OF PINES
ROSARIO KEY
LONG KEY
TRAGOSO KEY
STA. MARIA KEY
COCOS KEY
JARDINES DEL REY
ROMANO KEY
SABINAL KEY
Camagüey
JARDINES DE LA REINA
GREAT CAYMAN (Br.)
LITTLE CAYMAN (Br.)
CAYMAN BRAC (Br.)
TURTLES
Santiago de Cuba
Windward Passage
TORTUGA I.
COCOA
COTTON
TOBACCO
WAX
COFFEE
HAITI
COTTON
Port au Prince
TOBACCO
BEATA I.
NAVASSA I.
FRUIT
SPICES
JAMAICA (Br.)
BANANAS
ORANGES
COCOA
SUGAR
COFFEE
TOBACCO
PEDRO KEYS
Kingston
Jamaica Channel
CARIBBEAN SEA
ANTILLES
CAXONES OR HOBBIES
SERRANILLA BANK
NEW BORE
HALF MOON REEF
ALARGATE REEF
HONDURAS
NICARAGUA
GOLD PROVIDENCE I. (To Colombia)
MAN OF WAR KEYS
PEARL KEYS
GREAT CORN I.
ST. ANDREWS I. (To Colombia)
ALBUQUERQUE KEYS
CENTRAL AMERICA
COSTA RICA
PACIFIC OCEAN
Colon
PANAMA CANAL ZONE
Panama
Sabanilla
Magdalena R.
COLOMBIA
84°
80°
76°
Longitude West

ECONOMIC MAP
OF
WEST INDIES
SCALE OF MILES
0 50 100 150 200
REFERENCE
Copper
Iron
Manganese
Salt
Silver
Hammond's Economic Map of West Indies
Copyright by C.S. Hammond & Co., N.Y.
68°
64°
60°
24°
20°
16°
12°
from Greenwich
ATLANTIC OCEAN
CARIBBEAN SEA
DOMINICAN REPUBLIC
PORTO RICO
Santo Domingo
Ponce
Mona Passage
Mona I.
Christiansted
Frederickstad
Charlotte Amalie
Virgin Is.
St. John (U.S.)
St. Croix (U.S.)
Culebra (U.S.)
Vieques (U.S.)
Anegada I. (Br.)
Virgin Gorda (Br.)
Sombrero I. (Br.)
Anguilla I. (Br.)
St. Martin I. (Fr. & Du.)
St. Barthelomew I. (Fr.)
Saba I. (Du.)
St. Eustatius I. (Du.)
St. Christopher I. (St. Kitts) (Br.)
Nevis I. (Br.)
Redonda I. (Br.)
Barbuda (Br.)
Antigua (Br.)
Montserrat I. (Br.)
Port Louis
Basse Terre
Guadeloupe (Fr.)
Desirade (Fr.)
Marie Galante (Fr.)
Les Saintes (Fr.)
Dominica (Br.)
Roseau or Charlottetown
Fort de France
Martinique (Fr.)
Port Castries
St. Lucia (Br.)
St. Vincent (Br.)
Kingstown
Bequia I.
Cannouan I.
Union I.
Grenadines Is.
Carriacou I.
St. George
Grenada (Br.)
Barbados I. (Br.)
Bridgetown
LEEWARD ISLANDS
WINDWARD ISLANDS
LESSER ANTILLES
Willemstad
Curaçao (Du.)
Aruba (Du.)
Buen Ayre (Du.)
Los Roques
Cayo Grande
Orchilla I.
Blanquilla (Ven.)
Testigos Is.
Los Frayles
Tortuga I.
Margarita
La Guaira
Caracas
Gulf of Venezuela
Lake Maracaibo
Gulf of Paria
Port of Spain
TRINIDAD (Br.)
Tobago (Br.)
Orinoco R.
VENEZUELA
Turks Is.
SUGAR
COCOA
MAHOGANY
RICE
TOBACCO
COFFEE
COTTON
CATTLE
FRUIT
MAIZE
GUANO
SPICES
ASPHALT
RUBBER


180° 160° 140° 120° 100° 80° 60° 40° 20°
ARCTIC OCEAN
ASIA
GREENLAND
ICELAND
Bering Str.
Nome
Beaufort Sea
PARRY IS.
Banks Str.
BANKS LAND
Melville Sd.
PRINCE OF WALES I.
FR. ALBERT LD.
Baffin Bay
Davis Strait
C. Farewell
Yukon R.
ALASKA
VICTORIA LD.
Mackenzie R.
Great Bear L.
ARCTIC CIRCLE
SOUTHAMPTON I.
Hudson Strait
LABRADOR
Juneau
Great Slave L.
DOMINION OF CANADA
Belle Isle Str.
NEWFOUNDLAND
St. John's
C. Race
QUEEN CHARLOTTE IS.
Athabasca Lake
Reinder Lake
Hudson Bay
James Bay
Gulf of St. Lawrence
CAPE BRETON
PACIFIC
VANCOUVER I.
Vancouver
Fraser R.
Saskatchewan R.
Lake Winnipeg
Albany R.
Seattle
Winnipeg
Quebec
Halifax
Spokane
Portland
Columbia R.
Missouri R.
Lake Superior
Montreal
Ottawa
60°
50°
40°

POPULATION MAP
OF
NORTH AMERICA
SCALE OF MILES
0 100 200 300 400 500 600 700 800
REFERENCE
Density of Population
to the square mile.
Under 1 inhabitant
1-8 inhabitants
8-16 ,,
16-32 ,,
32-64 ,,
64-128 ,,
128-256 ,,
256-512 ,,
over 512 ,,
Towns with over
100,000 inhabitants.
Hammond's Population Map of North America
Copyright, 1916, by C.S. Hammond & Co., N.Y.
Longitude West from Greenwich
120° 110° 100° 90° 80° 70°
30° 20° 10°
PACIFIC OCEAN
ATLANTIC OCEAN
UNITED STATES
MEXICO
GULF OF MEXICO
CARIBBEAN SEA
WEST INDIES
Butte
Boise
Minneapolis
St. Paul
Milwaukee
Lake Michigan
Detroit
Toronto
Lake Ontario
Boston
C. Cod
New York
Philadelphia
Cleveland
Pittsburgh
Chicago
Baltimore
Washington
Cincinnati
Ohio R.
Louisville
C. Hatteras
Wilmington
Charleston
Savannah
Jacksonville
San Francisco
Salt Lake City
Great Salt L.
Cheyenne
Omaha
Missouri R.
Denver
Kansas City
St. Louis
Arkansas R.
Memphis
Mississippi R.
Red R.
Los Angeles
Colorado R.
Ft. Worth
Dallas
El Paso
New Orleans
Houston
Galveston
Chihuahua
Rio Grande
Gulf of California
Key West
Havana
CUBA
BAHAMA ISLANDS
HAITI
DOMINICAN REPUBLIC
PORTO RICO
San Juan
Santiago
Port au Prince
Santo Domingo
JAMAICA
Kingston
Durango
TROPIC OF CANCER
Tampico
Gulf of Campeche
Guadalajara
Vera Cruz
Mexico
Belize
BR. HONDURAS
GUATEMALA
HONDURAS
Tegucigalpa
NICARAGUA
New Guatemala
San Salvador
SALVADOR
Managua
San Juan Del Norte
COSTA RICA
San Jose
Colon
PANAMA
Panama
SOUTH AMERICA

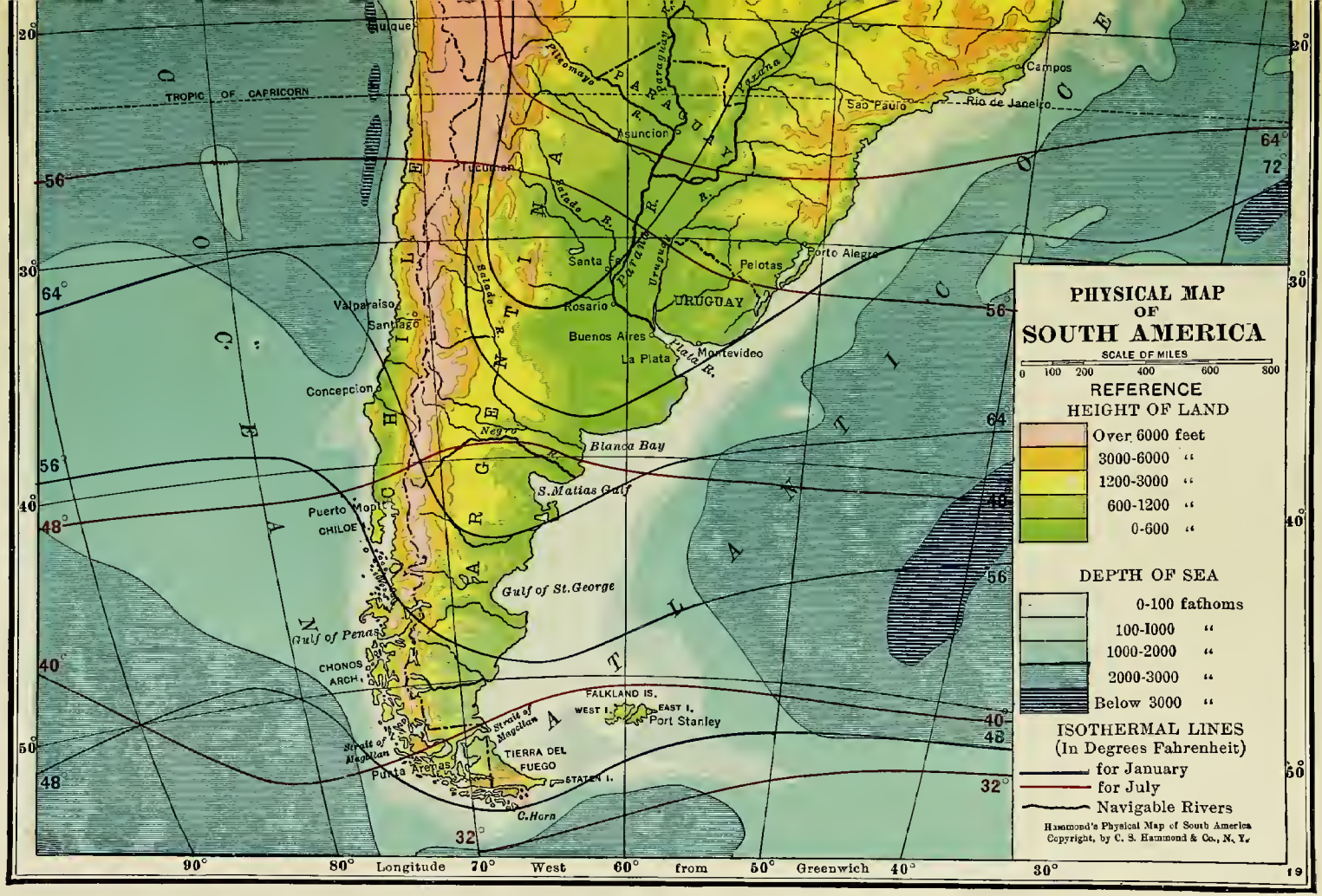

130°
120°
110°
100°
50°
40°
30°
Reindeer L.
Edmonton
Prince Albert
Saskatchewan R.
Lake Winnipeg
Winnipeg
Calgary
Regina
L. Manitoba
Vancouver
Victoria
Fraser R.
Columbia R.
Seattle
Tacoma
Olympia
Spokane
Portland
Salem
Lewiston
Missoula
Helena
Butte
Billings
Bismarck
Grand Forks
Fargo
Minneapolis
Medford
Boise
Sheridan
Deadwood
Pierre
Sioux City
Omaha
Lincoln
Platte R.
Missouri R.
Reno
Carson City
Stockton
Sacramento
San Francisco
San Jose
Fresno
Ogden
Salt Lake City
Great Salt Lake
Cheyenne
Denver
Grand Junction
Green R.
Colorado R.
Pueblo
Topeka
St. Joseph
Kansas R.
Arkansas R.
Wichita
Los Angeles
San Diego
Yuma
Phoenix
Tucson
Santa Fe
Albuquerque
Amarillo
Muskogee
Oklahoma City
Ft. Smith
Arkansas R.
Red R.
Ft. Worth
Dallas
Shreveport
Waco
Brazos R.
Colorado R.
Trinity R.
El Paso
Rio Grande
Pecos R.
Austin
Beaumont
Houston
Galveston
San Antonio
Corpus Christi
Brownsville
Chihuahua
Cuaymas
Gulf of California
Lower California
TROPIC OF CANCER
Pacific Ocean
Gulf
Longitude

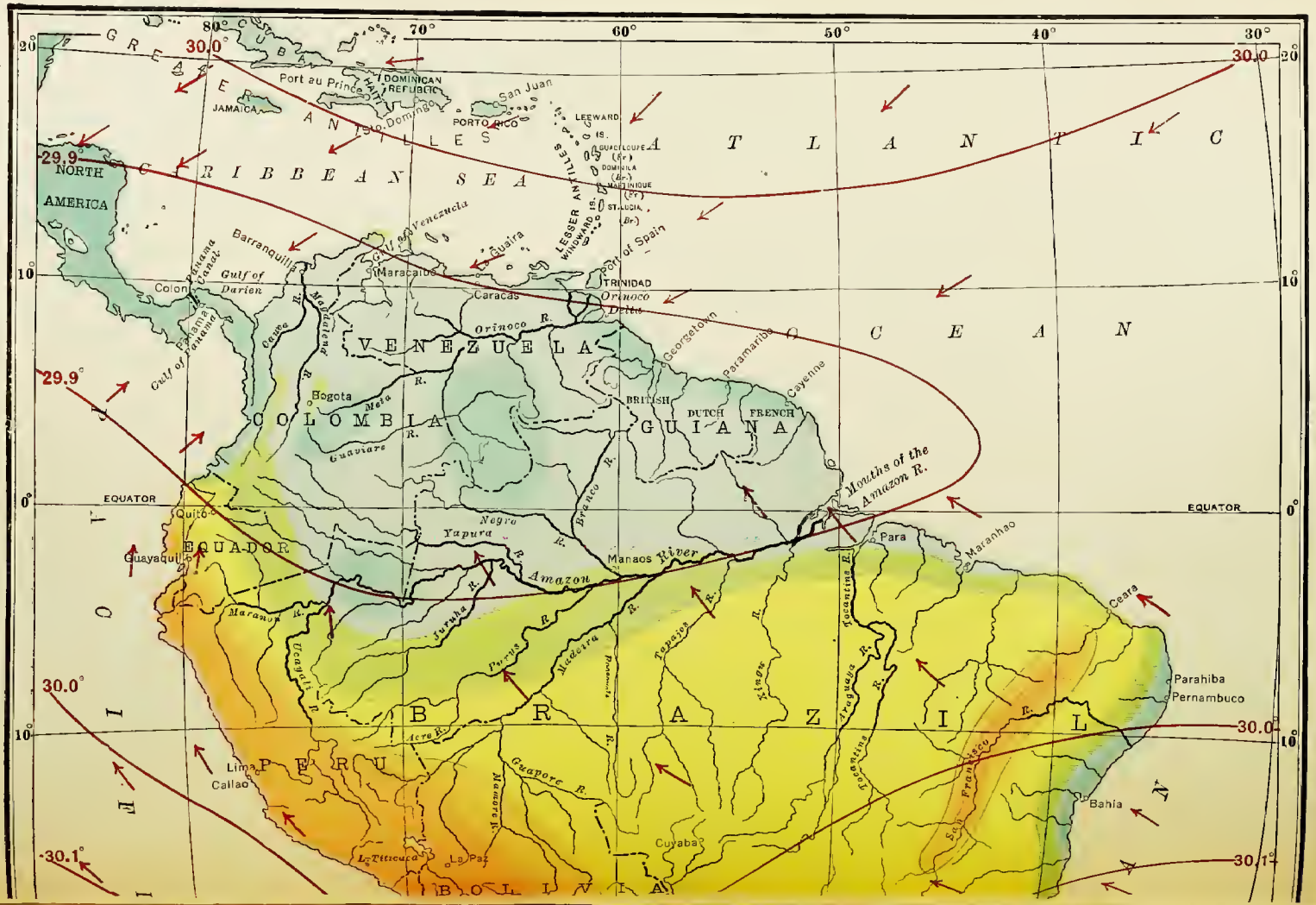

POPULATION MAP
OF
UNITED STATES
AND
DOMINION OF CANADA
SCALE OF MILES
0 50 100 200 300 400
REFERENCE
Density of Population
to the square mile.
Under 1 inhabitant
1-8 inhabitants
8-16 ,,
16-32 ,,
32-64 ,,
64-128 ,,
128-256 ,,
256-512 ,,
over 512 ,,
Towns with over 100,000 inhabitants.
Towns from 50,000 to 100,000 inhabitants.
Hammond's Population Map of United States and Dominion of Canada
Copyrighted by C.S.Hammond & Co., N.Y.
HUDSON BAY
CANADA
QUEBEC
ONTARIO
MAINE
NEW YORK
PENNSYLVANIA
OHIO
INDIANA
ILLINOIS
WISCONSIN
MICHIGAN
KENTUCKY
TENNESSEE
NORTH CAROLINA
SOUTH CAROLINA
GEORGIA
ALABAMA
MISSISSIPPI
VIRGINIA
WEST VIRGINIA
ATLANTIC OCEAN
GULF OF MEXICO
BAHAMA ISLANDS
Key West
West 90° from Greenwich
90°
80°
70°
60°
50°
40°
30°

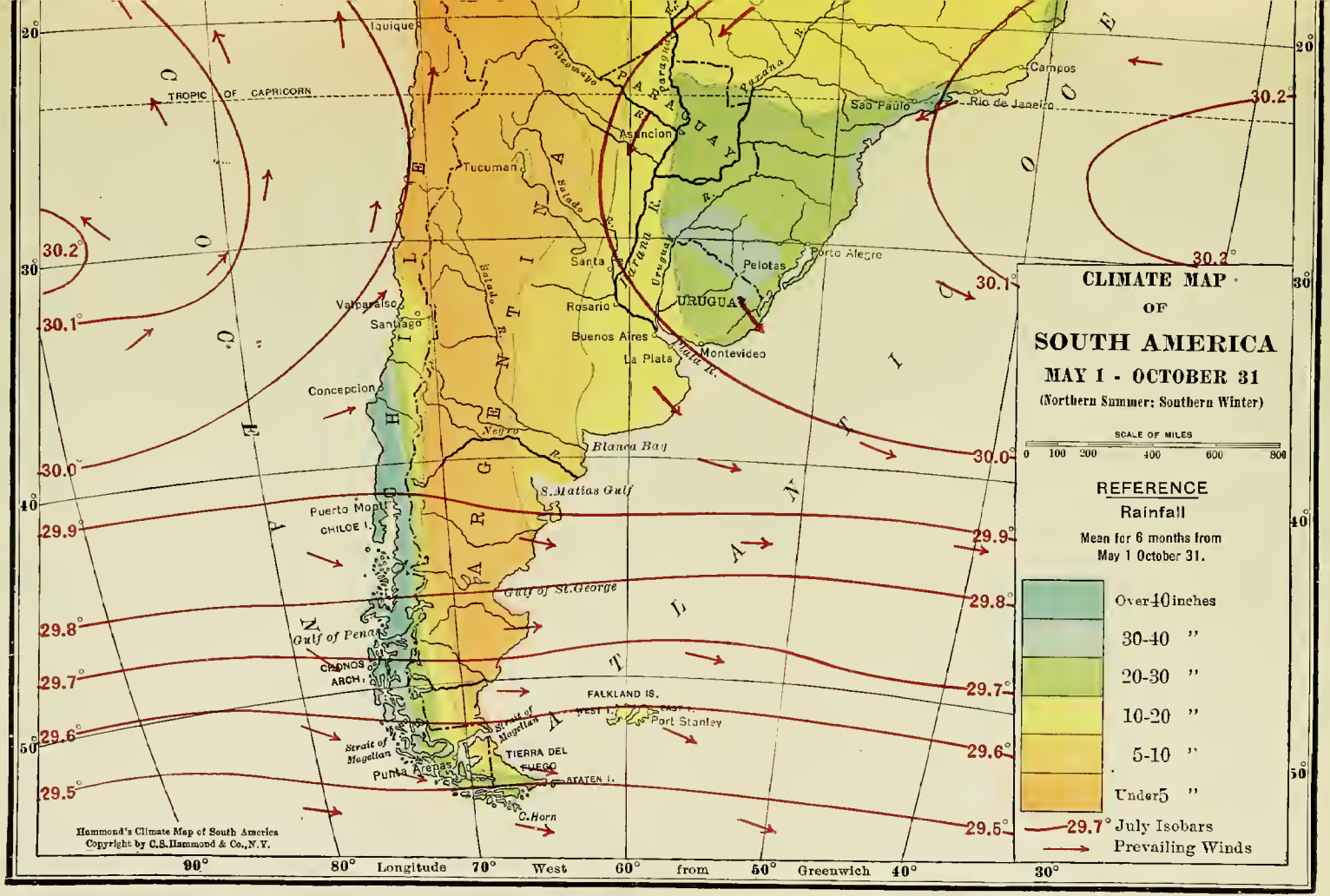
ECONOMIC MAP
OF
CENTRAL AMERICA
SCALE OF MILES
0 50 100 150 200 250 300
REFERENCE
Coal
Copper
Gold
Iron
Lead
Silver
Hammond's Economic Map of Central America
Copyright by C.S. Hammond & Co., N.Y.
Longitude West from Greenwich
90°
85°
80°
75°
15°
10°
MEXICO
GUATEMALA
BRITISH HONDURAS (BELIZE)
HONDURAS
SALVADOR
NICARAGUA
COSTA RICA
PANAMA
Gulf of Honduras
Bay Is.
Roatan I.
Utila I.
Turneffe Is.
Belize
Pto. Barrios
Tegucigalpa
New Guatemala
Acajutla
San Salvador
La Libertad
Managua
Lake Nicaragua
Leon
Punta Arenas
San José
Limon
Mosquito Gulf
Colon
Panama
Gulf of Darien
Gulf of Panama
Coiba I.
Colon I.
Grand Cayman (British)
Jamaica (Br.)
Kingston
Navassa I.
Haiti
COLOMBIA
SOUTH AMERICA
CARIBBEAN SEA
PACIFIC OCEAN
ROSEWOOD
RUBBER
MAHOGANY
LOGWOOD
BEANS
COFFEE
COCOA
WHEAT
MARBLE
RICE
FRUIT
BANANAS
SUGAR
CEDAR
TOBACCO
MAIZE
OPALS
INDIGO
CATTLE
COTTON
COCOANUT
TURTLES
SHEEP
GOATS
PEARLS
COAL
PEARL IS.

POLITICAL MAP
OF
NORTH AMERICA
SCALE OF MILES
0 100 200 400 600 800 1000
Railroads —— Projected Railroads - - -
Hammond's Political Map of North America
Copyright 1916, by C.S. Hammond & Co., N.Y.
120° 110° Longitude West 100° from Greenwich 90° 80°
70° 80° 80° 70°
ARCTIC OCEAN
PACIFIC OCEAN
ATLANTIC OCEAN
GULF OF MEXICO
CARIBBEAN SEA
HUDSON BAY
DOMINION OF CANADA
UNITED STATES
MEXICO
CENTRAL AMERICA
SOUTH AMERICA
GREENLAND
ALASKA
EQUATOR
TROPIC OF CANCER
GALAPAGOS IS.
BERMUDA IS. (Br.)
SANTA BARBARA IS.
REVILLAGIGEDO IS.
GUADALUPE I.
Mt. McKinley
Ft. Yukon
Circle
Fairbanks
Dawson
Pt. Barrow
Bering Sea
Behring Str.
Aleutian Is.
Kodiak I.
Juneau
Sitka
Skagway
White Horse
Prince Rupert
Edmonton
Calgary
Battleford
Regina
Medicine Hat
Winnipeg
Ft. Churchill
Ft. McMurray
Ft. Norman
Great Bear L.
Great Slave L.
Athabaska
Peace R.
Mackenzie R.
Ft. Simpson
Ft. Chipewyan
Ft. McPherson
Ft. Macleod
Lethbridge
Vancouver
Victoria
Seattle
Olympia
Portland
Spokane
Helena
Boise
Yellowstone Nat. Park
Great Salt L.
Salt Lake City
Cheyenne
Denver
Omaha
Des Moines
Minneapolis
St. Paul
Duluth
Fargo
Pierre
Bismarck
Milwaukee
Chicago
Detroit
Cleveland
Buffalo
Toronto
Ottawa
Montreal
Quebec
Portland
Boston
Providence
New York
Philadelphia
Baltimore
Washington
Pittsburg
Columbus
Cincinnati
Indianapolis
Louisville
Richmond
Norfolk
Wilmington
Charleston
Savannah
Jacksonville
Atlanta
Memphis
Nashville
Little Rock
Kansas City
St. Louis
Topeka
Oklahoma City
Dallas
Ft. Worth
Houston
Galveston
New Orleans
Mobile
Tampa
Key West
Havana
Nassau
Bahama Islands
Jamaica
Kingston
Port au Prince
Santo Domingo
Porto Rico
San Juan
Virgin Islands
Trinidad
Barbados
Windward Islands
Leeward Islands
Curaçao
Caracas
Maracaibo
Panama
Colon
Panama Canal
Nicaragua Canal
Managua
Nicaragua
Honduras
Tegucigalpa
Belize
Guatemala
San Salvador
New Guatemala
Tehuantepec
Gulf of Tehuantepec
Acapulco
Manzanillo
Mexico
Guadalajara
Leon
Tampico
San Luis Potosi
Monterey
Durango
Chihuahua
Juarez
El Paso
Santa Fe
Pueblo
Phoenix
Yuma
San Diego
Los Angeles
San Francisco
Sacramento
Carson City
Reno
Sierra Nevada Mts.
Cascade Range
Coast Range
Lower California
Gulf of California
C. San Lucas
C. Mendocino
C. Corrientes
C. Hatteras
C. Farewell
C. Race
C. Childley
Hudson Strait
Davis Strait
Baffin Bay
Melville Bay
Lancaster Sd.
Jones Sd.
Smith Sd.
Kane Basin
Kennedy Channel
Robeson Chan.
Lincoln Sea
Greenland
Arctic Circle
Iceland
Spitsbergen
Quito
Bogota
Equator
Gulf of Mexico
Yucatan
Campeche
Progreso
Vera Cruz
Tampico
Key West
Havana
Nassau
Bahama Islands
Jamaica
Kingston
Port au Prince
Santo Domingo
Porto Rico
San Juan
Virgin Islands
Trinidad
Barbados
Windward Islands
Leeward Islands
Curaçao
Caracas
Maracaibo
Panama
Colon
Panama Canal
Nicaragua Canal
Managua
Nicaragua
Honduras
Tegucigalpa
Belize
Guatemala
San Salvador
New Guatemala
Tehuantepec
Gulf of Tehuantepec
Acapulco
Manzanillo
Mexico
Guadalajara
Leon
Tampico
San Luis Potosi
Monterey
Durango
Chihuahua
Juarez
El Paso
Santa Fe
Pueblo
Phoenix
Yuma
San Diego
Los Angeles
San Francisco
Sacramento
Carson City
Reno
Sierra Nevada Mts.
Cascade Range
Coast Range
Lower California
Gulf of California
C. San Lucas
C. Mendocino
C. Corrientes
C. Hatteras
C. Farewell
C. Race
C. Childley
Hudson Strait
Davis Strait
Baffin Bay
Melville Bay
Lancaster Sd.
Jones Sd.
Smith Sd.
Kane Basin
Kennedy Channel
Robeson Chan.
Lincoln Sea
Greenland
Arctic Circle
Iceland
Spitsbergen
Quito
Bogota
Equator

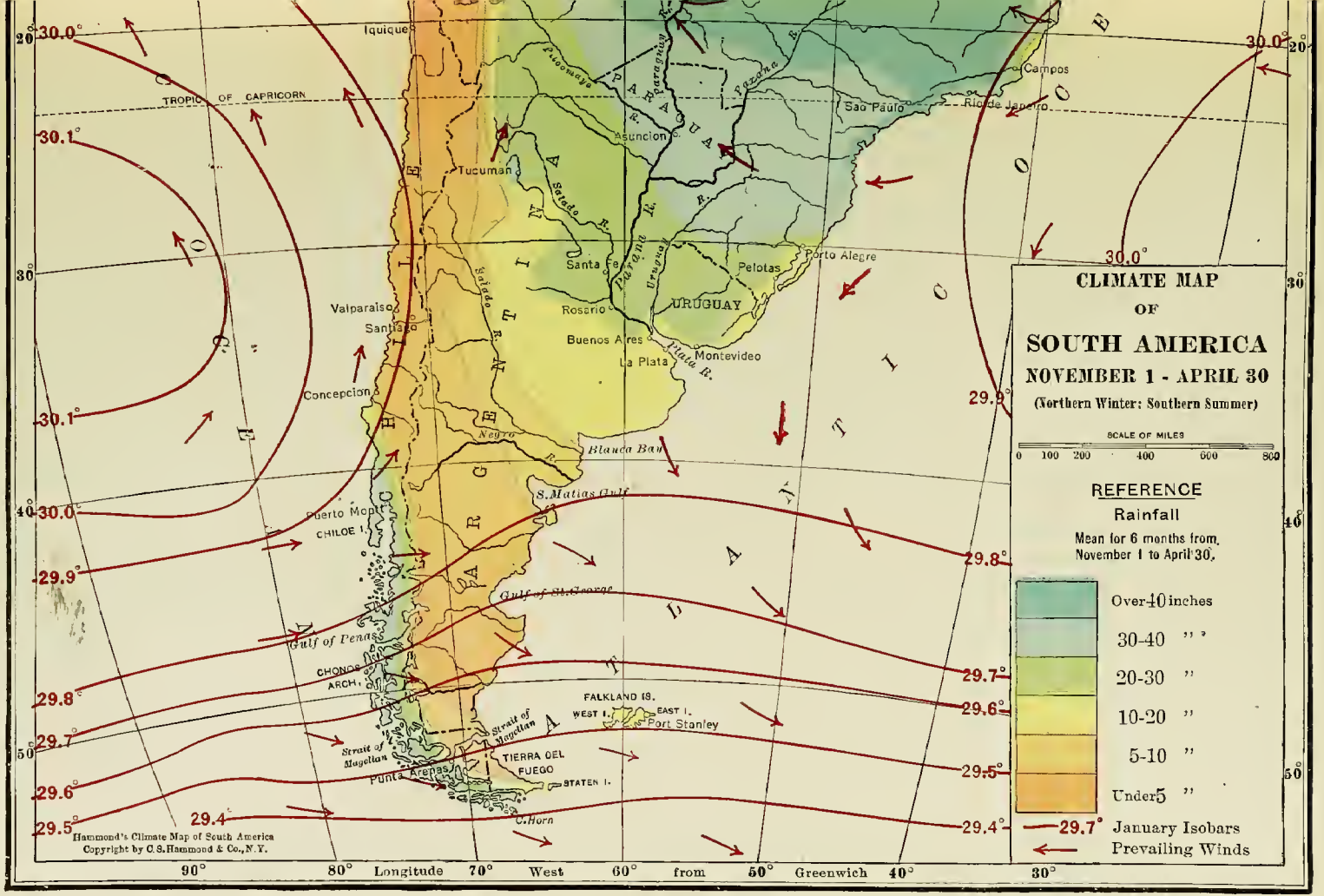
Port au Prince
DOMINICAN REPUBLIC
JAMAICA
Trto. Domingo
PORTO RICO
LEEWARD Is.
WINDWARD Is.
LESSER ANTILLES
ATLANTIC
NORTH AMERICA
CARIBBEAN SEA
Gulf of Venezuela
Barranquilla
Maracaibo
La Guaira
Port of Spain
TRINIDAD
Orinoco Delta
Panama Canal
Gulf of Darien
Colon
Caracas
Cauca R.
Magdalena R.
Orinoco R.
Georgetown
Paramaribo
Gulf of Panama
VENEZUELA
Bogota
Meta R.
BRITISH
DUTCH
FRENCH
COLOMBIA
GUIANA
Guaviare R.
Mouths of the Amazon R.
EQUATOR
Quito
Negro R.
Yapura R.
Branco R.
Para
Maranhão
ECUADOR
Guayaquil
Manaos
River Amazon
Marañon R.
Juruha R.
Purus R.
Madeira R.
Tocantins R.
Ceara
Tapajos R.
Xingu R.
Araguaya R.
Paramba
Pernambuco
Ucayali R.
BRAZIL
Acre R.
Beni R.
Guapore R.
Rio Mamore R.
Rio Paraguay R.
Rio San Francisco
Bahia
PERU
Lima
Callao
L. Titicaca
La Paz
Cuyaba
BOLIVIA
PACIFIC OCEAN
ATLANTIC OCEAN
80°
70°
60°
50°
40°
30°
20°
10°
0°
72°
64°


PHYSICAL MAP
OF
SOUTH AMERICA
SCALE OF MILES
0 100 200 400 600 800
REFERENCE
HEIGHT OF LAND
Over 6000 feet
3000-6000 "
1200-3000 "
600-1200 "
0-600 "
DEPTH OF SEA
0-100 fathoms
100-1000 "
1000-2000 "
2000-3000 "
Below 3000 "
ISOTHERMAL LINES
(In Degrees Fahrenheit)
for January
for July
Navigable Rivers
Hammond's Physical Map of South America
Copyright, by C. S. Hammond & Co., N. Y.
Bulque
TROPIC OF CAPRICORN
Tucuman
Asuncion
Pilcomayo
Paraguay R.
Paraguay
Parana R.
Parana
Iguazu R.
Campos
Sao Paulo
Rio de Janeiro
Salado R.
Santa Fe
Pelotas
Porto Alegre
Uruguay R.
URUGUAY
Rosario
Buenos Aires
La Plata
Montevideo
Plata R.
Valparaiso
Santiago
Concepcion
Negro R.
Blanca Bay
S. Matias Gulf
Puerto Montt
CHILOE
Gulf of St. George
Gulf of Penas
CHONOS ARCH.
FALKLAND IS.
WEST I.
EAST I.
Port Stanley
Strait of Magellan
TIERRA DEL FUEGO
STATEN I.
Punta Arenas
C. Horn
PACIFIC OCEAN
ATLANTIC OCEAN
CHILE
ARGENTINE
64
72
56
48
40
32
30
20
50
90°
80°
70°
60°
50°
40°
30°
Longitude West from Greenwich

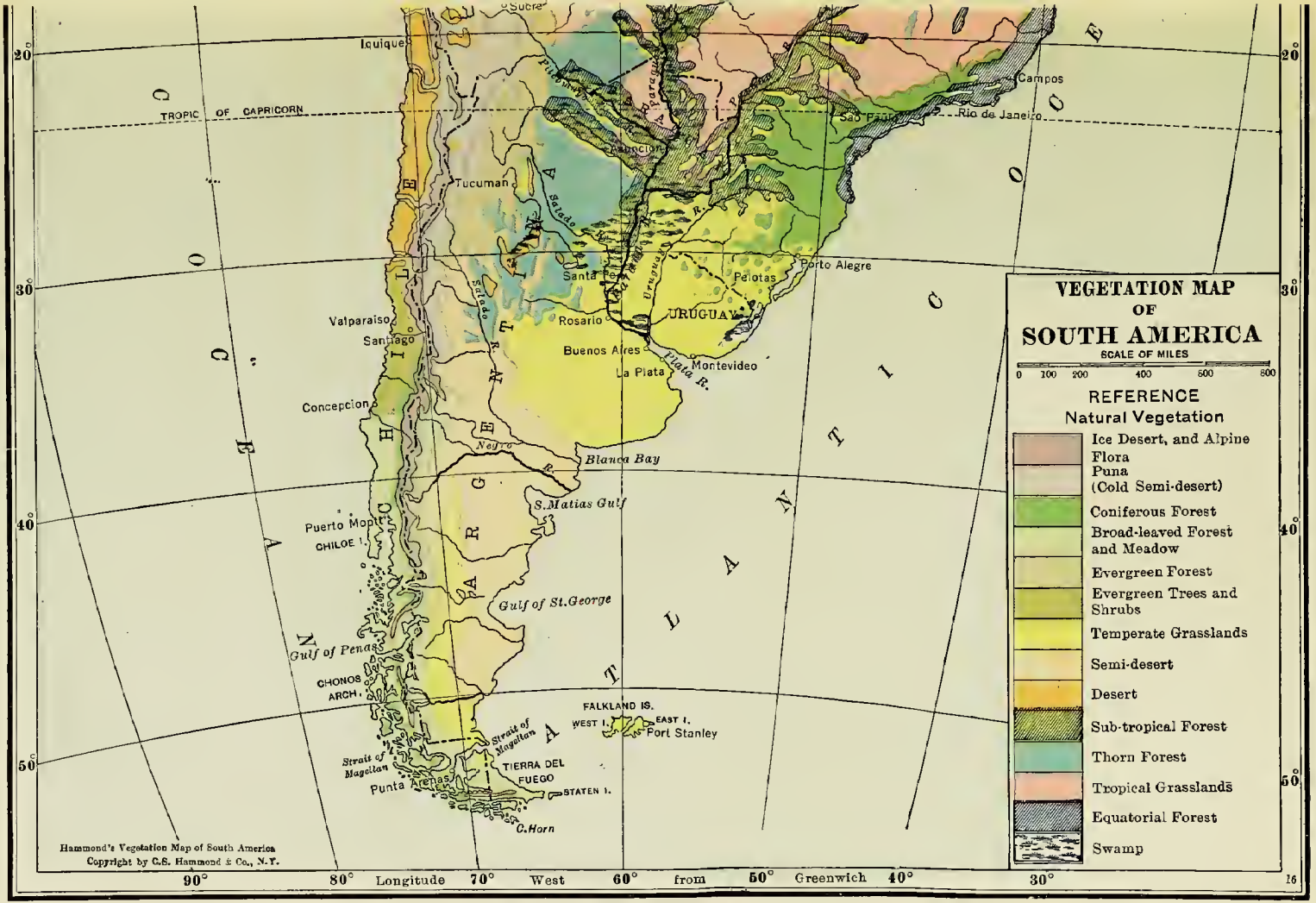

80°
70°
60°
50°
40°
30°
20°
10°
0°
EQUATOR
30.0°
29.9°
30.1°
GREATER ANTILLES
CUBA
HAITI
DOMINICAN REPUBLIC
Port au Prince
San Domingo
JAMAICA
PORTO RICO
San Juan
LEEWARD IS.
GUADELOUPE (Fr.)
DOMINICA (Br.)
MARTINIQUE (Fr.)
ST. LUCIA (Br.)
LESSER ANTILLES
WINDWARD IS.
CARIBBEAN SEA
ATLANTIC OCEAN
NORTH AMERICA
Barranquilla
Gulf of Venezuela
Maracaibo
Guaira
Port of Spain
TRINIDAD
Caracas
Colon
Panama Canal
Gulf of Darien
Panama
Gulf of Panama
Cauca R.
Magdalena R.
Orinoco R.
Orinoco Delta
VENEZUELA
Georgetown
Paramaribo
Cayenne
BRITISH GUIANA
DUTCH GUIANA
FRENCH GUIANA
Bogota
COLOMBIA
Meta R.
Guaviare R.
Mouths of the Amazon R.
Quito
ECUADOR
Guayaquil
Negro R.
Yapura R.
Branco R.
Amazon R.
Manaos
River
Para
Maranhao
Ceara
Parahiba
Pernambuco
Maranon R.
Ucayali R.
Jurua R.
Purus R.
Madeira R.
Tapajos R.
Xingu R.
Tocantins R.
Araguaya R.
Acre R.
Guapore R.
Mamore R.
Sao Francisco R.
BRAZIL
Lima
Callao
PERU
Bahia
Cuyaba
La Paz
L. Titicaca
BOLIVIA
PACIFIC OCEAN


CLIMATE MAP
OF
SOUTH AMERICA
MAY 1 - OCTOBER 31
(Northern Summer: Southern Winter)
SCALE OF MILES
0 100 200 400 600 800
REFERENCE
Rainfall
Mean for 6 months from
May 1 October 31.
Over 40 inches
30-40 "
20-30 "
10-20 "
5-10 "
Under 5 "
29.7° July Isobars
Prevailing Winds
Hammond's Climate Map of South America
Copyright by C.S.Hammond & Co.,N.Y.
TROPIC OF CAPRICORN
Iquique
Valparaiso
Santiago
Concepcion
Puerto Montt
CHILOE I.
Gulf of Penas
CHONOS ARCH.
Strait of Magellan
Punta Arenas
TIERRA DEL FUEGO
STATEN I.
C. Horn
FALKLAND IS.
Port Stanley
Tucuman
Asuncion
Rosario
Buenos Aires
La Plata
Montevideo
URUGUAY
Pelotas
Porto Alegre
Sao Paulo
Rio de Janeiro
Campos
Blanca Bay
S. Matias Gulf
Gulf of St. George
30.2°
30.1°
30.0°
29.9°
29.8°
29.7°
29.6°
29.5°
90° 80° Longitude 70° West 60° from 50° Greenwich 40° 30°
20° 30° 40° 50°

80°
70°
60°
50°
40°
30°
20°
10°
0°
EQUATOR
30.0
29.9
29.8
GREAT ANTILLES
CUBA
Port au Prince
HAITI
DOMINICAN REPUBLIC
San Domingo
JAMAICA
PORTO RICO
LEEWARD IS.
LESSER ANTILLES
WINDWARD IS.
GUADELOUPE (Fr.)
DOMINICA (Br.)
MARTINIQUE (Fr.)
ST. LUCIA (Br.)
ATLANTIC OCEAN
CARIBBEAN SEA
NORTH AMERICA
Barranquilla
Gulf of Venezuela
Maracaibo
La Guaira
Port of Spain
TRINIDAD
Panama Canal
Colon
Gulf of Darien
Caracas
Orinoco Delta
Orinoco R.
VENEZUELA
Gulf of Panama
Panama
Cauca R.
Magdalena R.
Georgetown
Paramaribo
Cayenne
Bogota
Meta R.
COLOMBIA
BRITISH GUIANA
DUTCH GUIANA
FRENCH GUIANA
Guaviare R.
Mouths of the Amazon R.
Quito
Guayaquil
ECUADOR
Negro R.
Yapura R.
Branco R.
Manaos River
Amazon R.
Para
Maranhao
Ceara
Parahiba
Pernambuco
Maranon R.
Ucayali R.
Purus R.
Madeira R.
Tapajos R.
Xingu R.
Tocantins R.
Araguaya R.
BRAZIL
Acre R.
Guapore R.
Mamore R.
Lima
Callao
PERU
Titicaca
La Paz
Cuyaba
Bahia
San Francisco R.
BOLIVIA
PACIFIC OCEAN


CLIMATE MAP
OF
SOUTH AMERICA
NOVEMBER 1 - APRIL 30
(Northern Winter: Southern Summer)
SCALE OF MILES
0 100 200 400 600 800
REFERENCE
Rainfall
Mean for 6 months from November 1 to April 30.
Over 40 inches
30-40 " "
20-30 "
10-20 "
5-10 "
Under 5 "
29.7° January Isobars
Prevailing Winds
TROPIC OF CAPRICORN
Iquique
Tucuman
Asuncion
Campos
Rio de Janeiro
Sao Paulo
Santa Fe
Rosario
Buenos Aires
La Plata
Montevideo
Pelotas
Porto Alegre
URUGUAY
Valparaiso
Santiago
Concepcion
Puerto Montt
CHILOE I.
S. Matias Gulf
Gulf of St. George
Gulf of Penas
CHONOS ARCH.
Strait of Magellan
FALKLAND IS.
WEST I.
EAST I.
Port Stanley
TIERRA DEL FUEGO
STATEN I.
Punta Arenas
C. Horn
Blanca Bay
Negro R.
Salado R.
Parana R.
Uruguay R.
Pilcomayo R.
Bermejo R.
Paraguay R.
Pasaina R.
30.0°
30.1°
29.9°
29.8°
29.7°
29.6°
29.5°
29.4°
Hammond's Climate Map of South America
Copyright by C.S. Hammond & Co., N.Y.
90° 80° Longitude 70° West 60° from 50° Greenwich 40° 30°
20° 30° 40° 50°

80°
70°
60°
50°
40°
30°
20°
10°
0°
EQUATOR
GREATER ANTILLES
Port au Prince
JAMAICA
DOMINICAN REPUBLIC
Sto. Domingo
San Juan
PORTO RICO
LEEWARD IS.
GUADELOUPE (Fr.)
DOMINICA (Br.)
MARTINIQUE (Fr.)
ST. LUCIA (Br.)
LESSER ANTILLES
WINDWARD IS.
CARIBBEAN SEA
ATLANTIC OCEAN
NORTH AMERICA
Venezuela
La Guaira
Port of Spain
TRINIDAD
Barranquilla
Maracaibo
Gulf of Venezuela
Panama Canal
Colon
Gulf of Darien
Gulf of Panama
Caracas
Orinoco Delta
Orinoco R.
VENEZUELA
Georgetown
Paramaribo
Cayenne
BRITISH GUIANA
DUTCH GUIANA
FRENCH GUIANA
Bogota
Magdalena R.
COLOMBIA
Mouths of the Amazon R.
Guayaquil
ECUADOR
Negro R.
Yapura R.
Japura R.
Amazon R.
Manaos River
Para
Maranhao
Ceara
Parahiba
Pernambuco
BRAZIL
Lima
Callao
PERU
Ucayali R.
Purus R.
Madeira R.
Tapajos R.
Xingu R.
Tocantins R.
Araguaya R.
Parnahyba R.
San Francisco R.
Bahia
L. Titicaca
La Paz
Cuyaba
BOLIVIA
PACIFIC OCEAN


VEGETATION MAP
OF
SOUTH AMERICA
SCALE OF MILES
0 100 200 400 500 800
REFERENCE
Natural Vegetation
Ice Desert, and Alpine Flora
Puna (Cold Semi-desert)
Coniferous Forest
Broad-leaved Forest and Meadow
Evergreen Forest
Evergreen Trees and Shrubs
Temperate Grasslands
Semi-desert
Desert
Sub-tropical Forest
Thorn Forest
Tropical Grasslands
Equatorial Forest
Swamp
TROPIC OF CAPRICORN
Iquique
Tucuman
Valparaiso
Santiago
Concepcion
Puerto Montt
CHILOE I.
Gulf of Penas
CHONOS ARCH.
Strait of Magellan
Punta Arenas
TIERRA DEL FUEGO
STATEN I.
C. Horn
FALKLAND IS.
WEST I.
EAST I.
Port Stanley
Asuncion
Campos
São Paulo
Rio de Janeiro
Santa Fe
Rosario
Buenos Aires
La Plata
Montevideo
Pelotas
Porto Alegre
URUGUAY
Blanca Bay
S. Matias Gulf
Gulf of St. George
Hammond's Vegetation Map of South America
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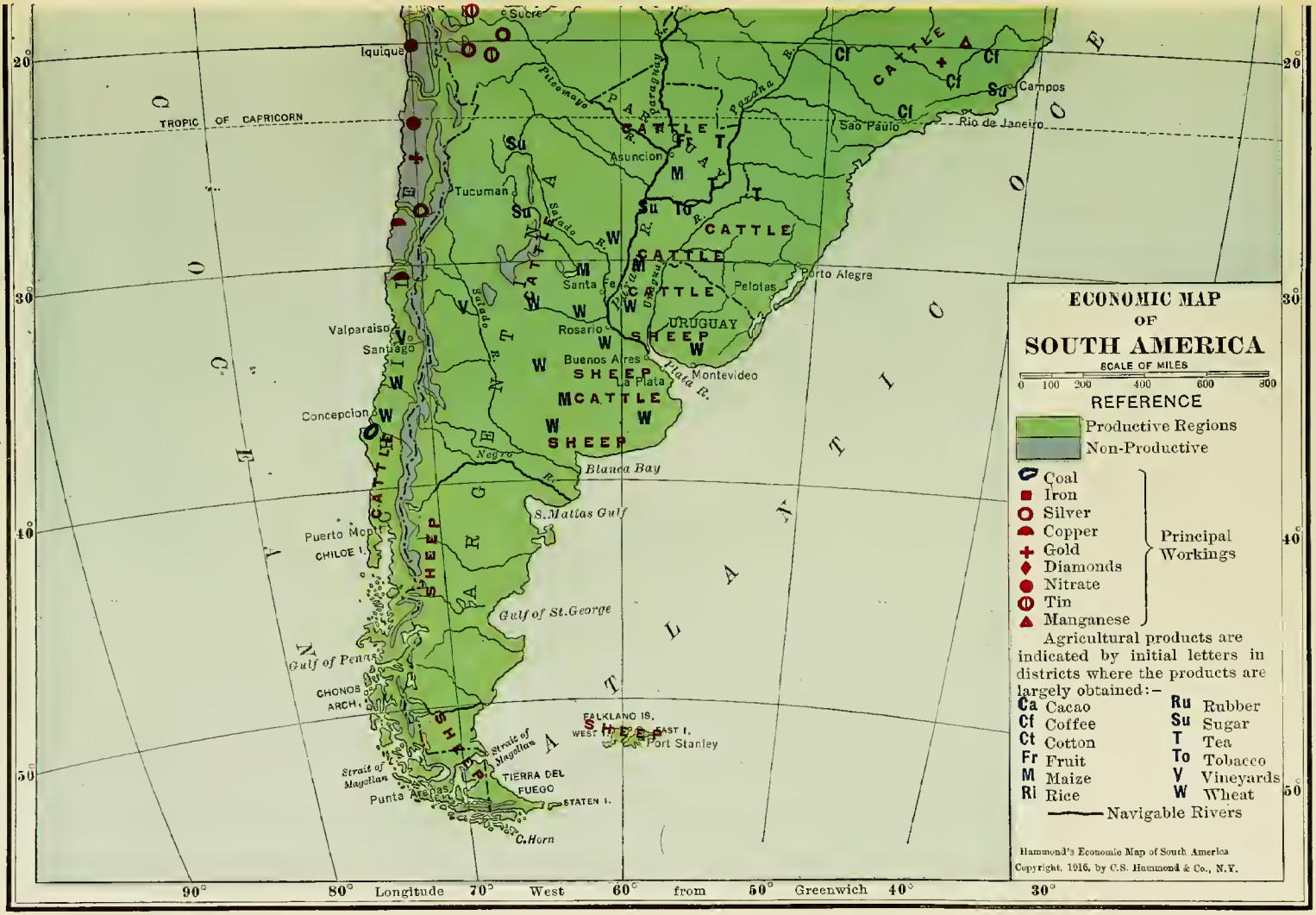
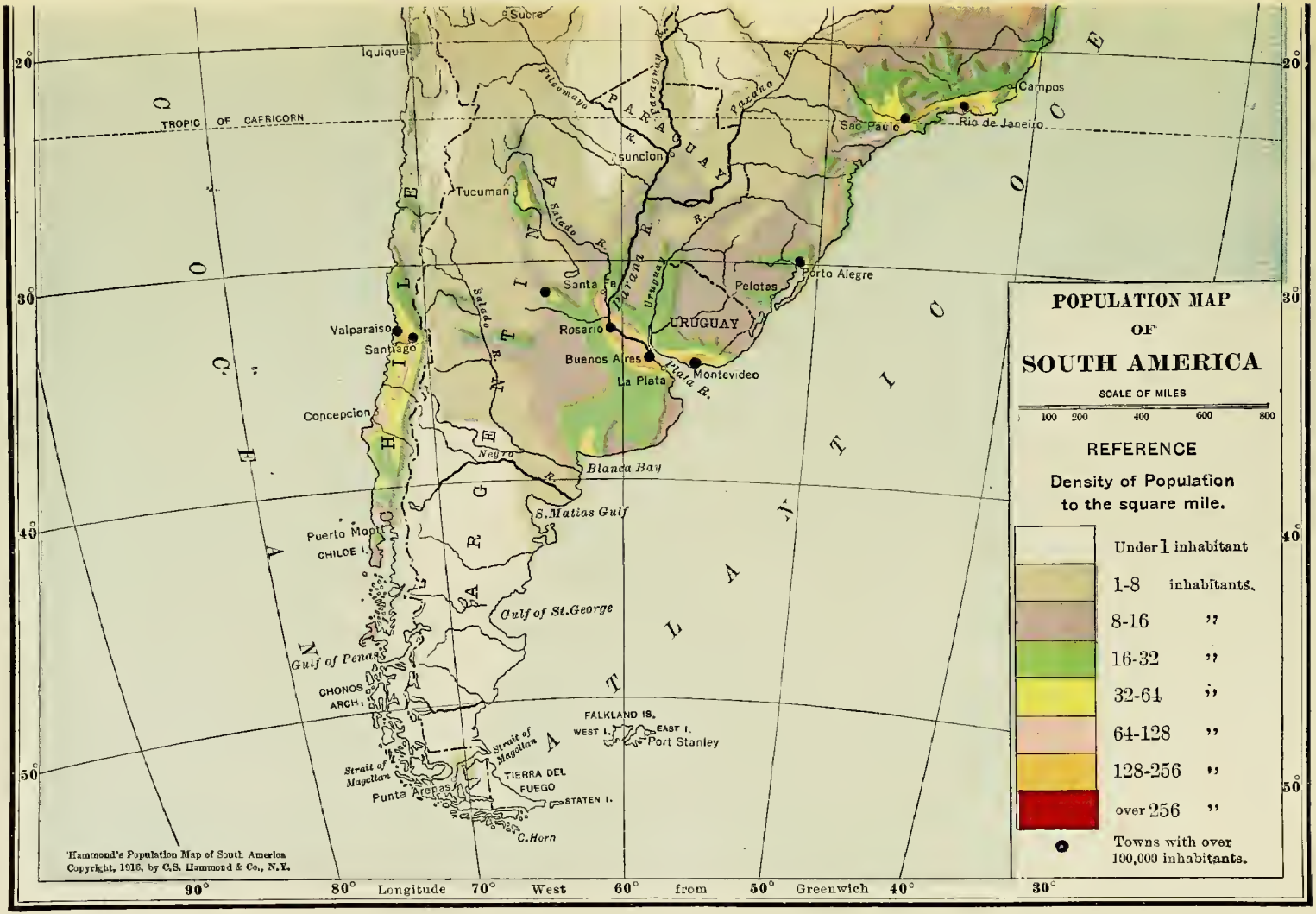
90° 80° Longitude 70° West 60° from 50° Greenwich 40° 30°
20° 30° 40° 50°

GREAT ANTILLES
CUBA
Port au Prince
HAITI
DOMINICAN REPUBLIC
Santo Domingo
JAMAICA
San Juan
PORTO RICO
LEEWARD IS.
LESSER ANTILLES
WINDWARD IS.
DOMINICA (Br.)
MARTINIQUE (Fr.)
TRINIDAD (Br.)
Port of Spain
ATLANTIC OCEAN
CARIBBEAN SEA
NORTH AMERICA
Barranquilla
Gulf of Venezuela
La Guaira
Maracaibo
Caracas
Gulf of Darien
Colon
Panama Canal
Panama
Gulf of Panama
Magdalena R.
Cauca R.
Orinoco R.
Orinoco Delta
CATTLE
VENEZUELA
Georgetown
Paramaribo
Cayenne
BRITISH GUIANA
DUTCH GUIANA
FRENCH GUIANA
Bogota
COLOMBIA
Meta R.
Guaviare R.
Mouths of the Amazon R.
EQUATOR
Quito
ECUADOR
Guayaquil
Negro R.
Yapura R.
Branco R.
Manaos
Amazon River
Para
Maranhao
Ceara
Parahiba
Pernambuco
Maranon R.
Ucayali R.
Purus R.
Juruba R.
Madeira R.
Rio Negro
Tapajos R.
Xingu R.
Tocantins R.
Araguaya R.
BRAZIL
PACIFIC OCEAN
PERU
Lima
Callao
Acre R.
Guapore R.
Mamore R.
L. Titicaca
La Paz
Cuyaba
Bahia
San Francisco R.
BOLIVIA
Fr
To
Su
Ca
Cf
Ct
Ru
Rl
Pu


ECONOMIC MAP
OF
SOUTH AMERICA
SCALE OF MILES
0 100 200 400 600 800
REFERENCE
Productive Regions
Non-Productive
Coal
Iron
Silver
Copper
Gold
Diamonds
Nitrate
Tin
Manganese
Principal Workings
Agricultural products are indicated by initial letters in districts where the products are largely obtained:–
Ca Cacao
Cf Coffee
Ct Cotton
Fr Fruit
M Maize
Ri Rice
Ru Rubber
Su Sugar
T Tea
To Tobacco
V Vineyards
W Wheat
Navigable Rivers
Hammond's Economic Map of South America
Copyright, 1916, by C.S. Hammond & Co., N.Y.
Sucre
Iquique
TROPIC OF CAPRICORN
Asuncion
Tucuman
Valparaiso
Santiago
Concepcion
Santa Fe
Rosario
Buenos Aires
La Plata
Montevideo
Pelotas
Porto Alegre
Sao Paulo
Rio de Janeiro
Campos
Blanca Bay
S. Matias Gulf
Gulf of St. George
Gulf of Penas
Puerto Montt
CHILOE I.
CHONOS ARCH.
Strait of Magellan
Punta Arenas
TIERRA DEL FUEGO
STATEN I.
C. Horn
FALKLAND IS.
WEST I.
EAST I.
Port Stanley
Paraguay R.
Pilcomayo R.
Salado R.
Negro R.
Uruguay R.
Parana R.
Plata R.
Jacuhy R.
CHILE
ARGENTINA
URUGUAY
PARAGUAY
PACIFIC OCEAN
ATLANTIC OCEAN
90° 80° Longitude 70° West 60° from 50° Greenwich 40° 30°
20° 30° 40° 50°

80°
70°
60°
50°
40°
30°
20°
10°
0°
EQUATOR
GREATER ANTILLES
CUBA
Port au Prince
HAITI
DOMINICAN REPUBLIC
JAMAICA
San Juan
PORTO RICO
LEEWARD IS.
GUADELOUPE (Fr.)
DOMINICA (Br.)
MARTINIQUE (Fr.)
ST. LUCIA (Br.)
WINDWARD IS.
LESSER ANTILLES
CARIBBEAN SEA
ATLANTIC OCEAN
NORTH AMERICA
Barranquilla
Gulf of Venezuela
Maracaibo
La Guaira
Port of Spain
TRINIDAD
Orinoco Delta
Colon
Panama Canal
Gulf of Darien
Gulf of Panama
Caribbean Sea
Caracas
Orinoco R.
VENEZUELA
Georgetown
Paramaribo
Cayenne
Bogota
Meta R.
COLOMBIA
BRITISH GUIANA
DUTCH GUIANA
FRENCH GUIANA
Guaviare R.
Mouths of the Amazon R.
Quito
Negro R.
Branco R.
Yapura R.
Para
Manaos
River Amazon
Guayaquil
ECUADOR
Maranhao
Ceara
Parahiba
Pernambuco
Maranon R.
Ucayali R.
Purus R.
Madeira R.
Tapajos R.
Tocantins R.
Xingu R.
Araguaya R.
BRAZIL
Acre R.
Lima
Callao
PERU
Guapore R.
Mamore R.
Bahia
San Francisco R.
L. Titicaca
La Paz
Cuyaba
BOLIVIA
PACIFIC OCEAN


POPULATION MAP
OF
SOUTH AMERICA
SCALE OF MILES
100 200 400 600 800
REFERENCE
Density of Population
to the square mile.
Under 1 inhabitant
1-8 inhabitants.
8-16 "
16-32 "
32-64 "
64-128 "
128-256 "
over 256 "
Towns with over
100,000 inhabitants.
Sucre
Iquique
TROPIC OF CAPRICORN
Tucuman
Santa Fe
Rosario
Buenos Aires
La Plata
Montevideo
URUGUAY
Pelotas
Porto Alegre
Asuncion
Campos
Sao Paulo
Rio de Janeiro
Valparaiso
Santiago
Concepcion
Blanca Bay
S. Matias Gulf
Puerto Montt
CHILOE I.
Gulf of St. George
Gulf of Penas
CHONOS ARCH.
FALKLAND IS.
WEST I.
EAST I.
Port Stanley
Strait of Magellan
TIERRA DEL FUEGO
STATEN I.
Punta Arenas
C. Horn
Hammond's Population Map of South America
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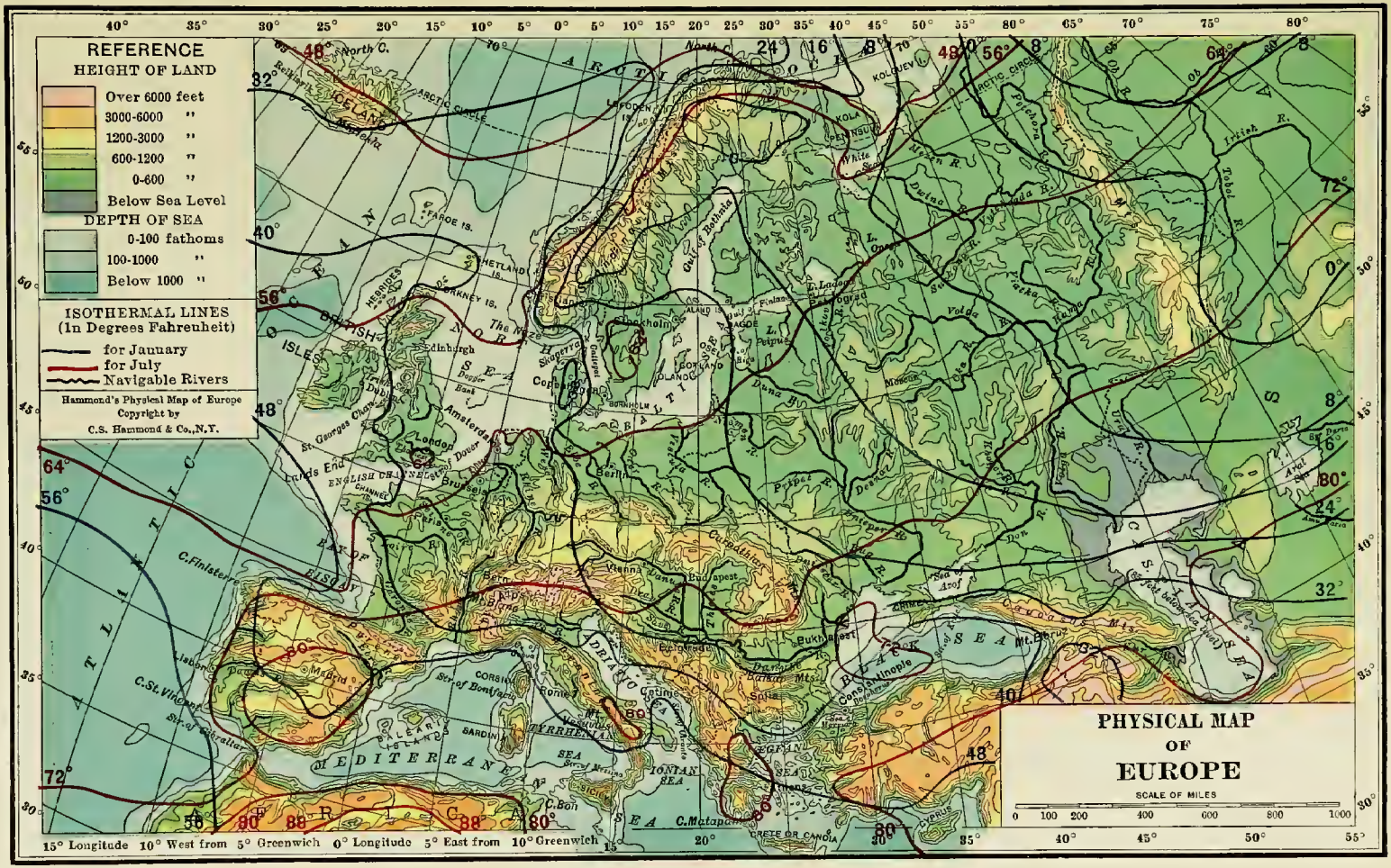
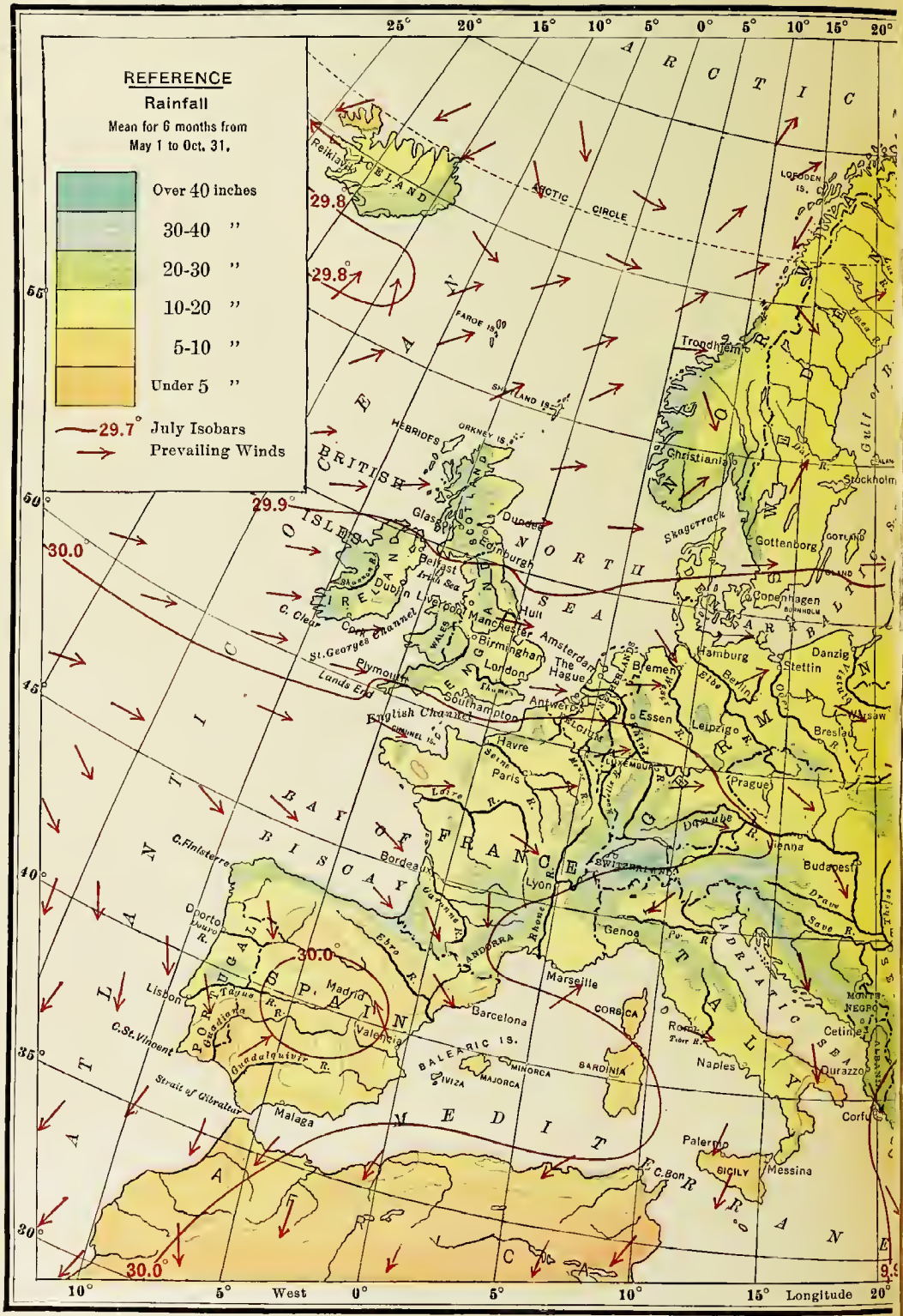
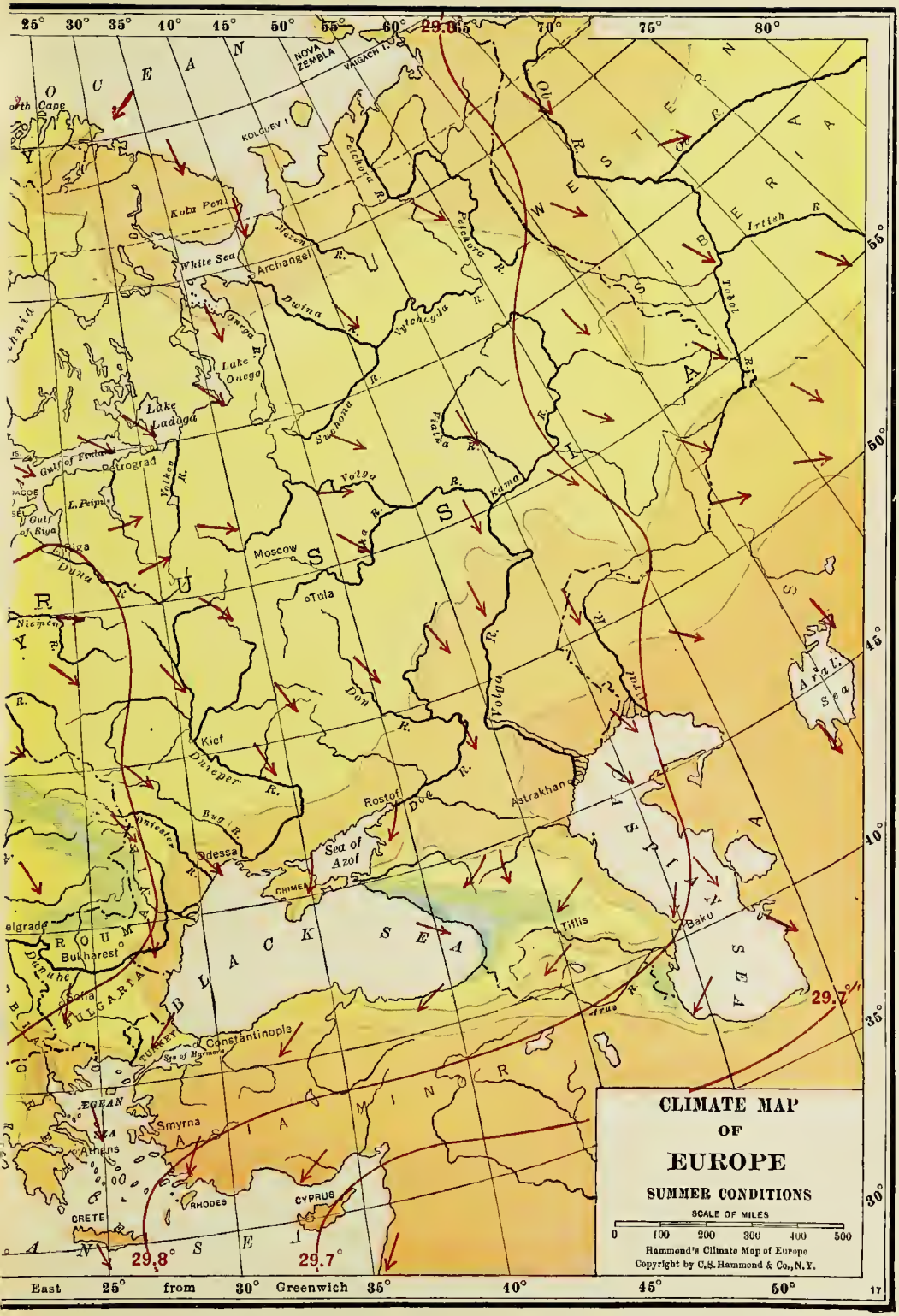
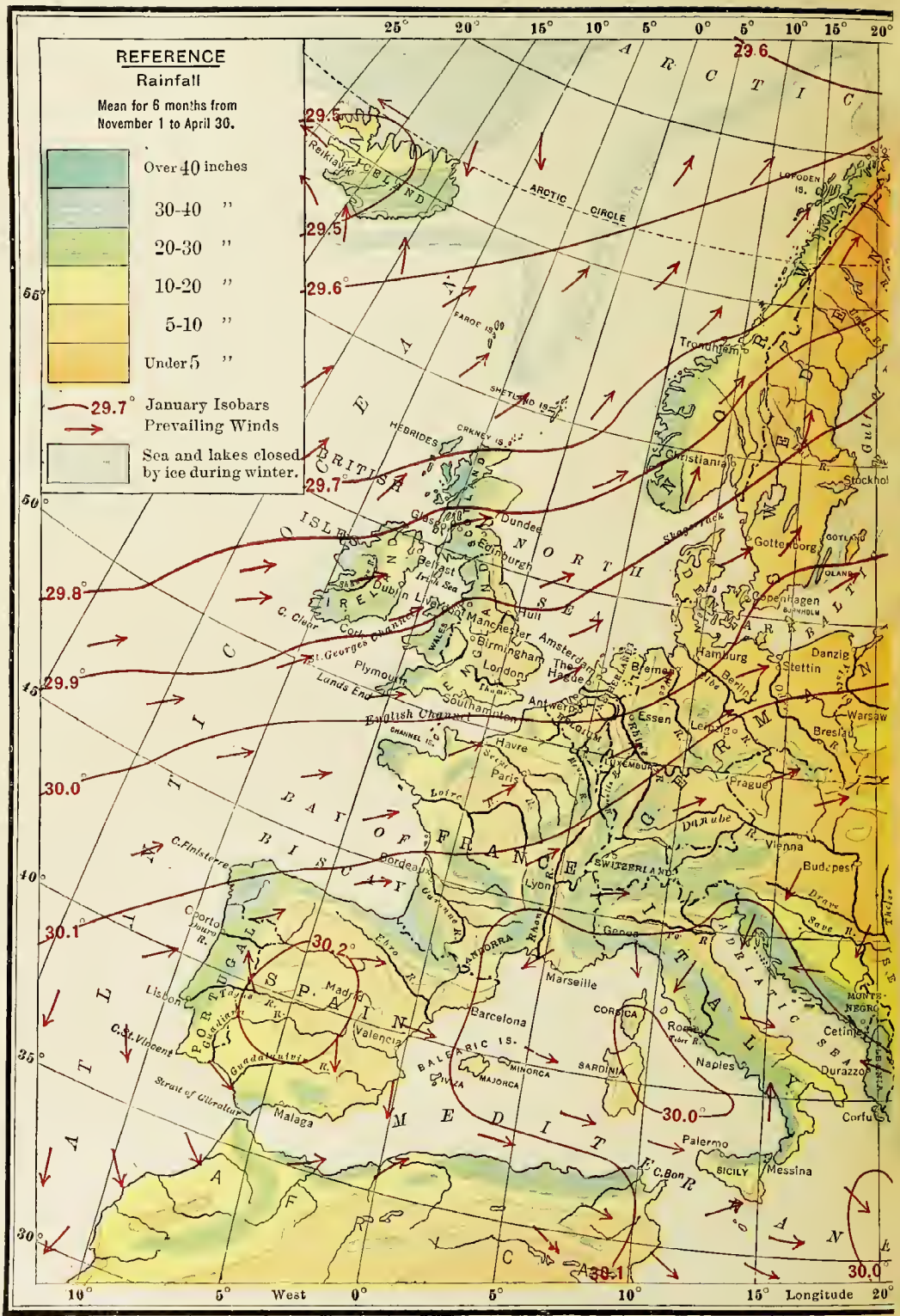
90° 80° Longitude 70° West 60° from 50° Greenwich 40° 30°
20° 30° 40° 50°

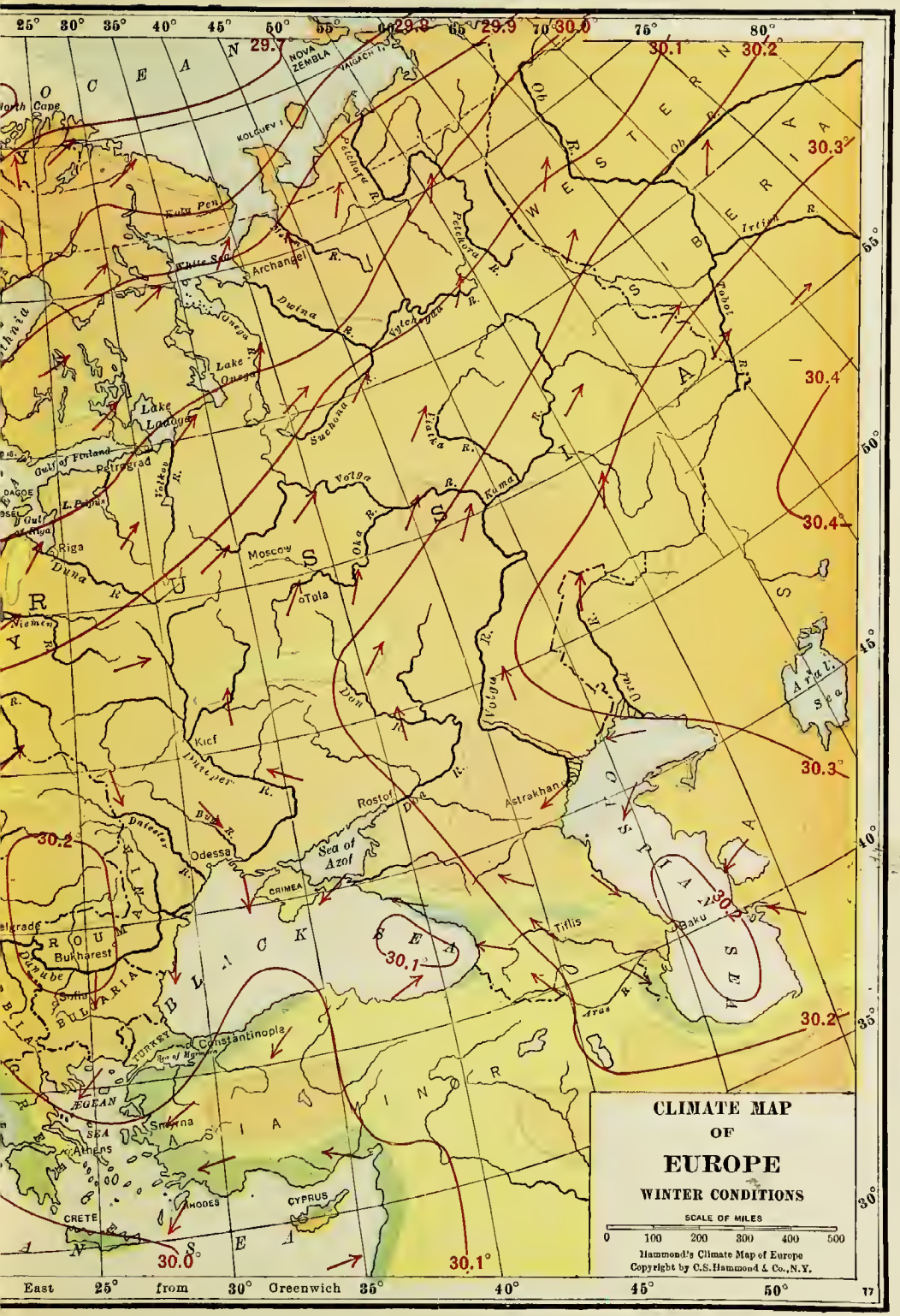
POLITICAL MAP
OF
SOUTH AMERICA
SCALE OF MILES
0 100 200 400 600 800 1000
Hammond's Political Map of South America
Copyright 1916, by C.S. Hammond & Co., N.Y.
Railroads
Projected Railroads
Longitude 90° West from Greenwich
80° 70° 60° 50° 40° 30°
CARIBBEAN SEA
ATLANTIC OCEAN
PACIFIC OCEAN
VENEZUELA
COLOMBIA
ECUADOR
PERU
BRAZIL
BOLIVIA
PARAGUAY
URUGUAY
CHILE
ARGENTINA
BRITISH GUIANA
DUTCH GUIANA
FRENCH GUIANA
GREATER ANTILLES
LESSER ANTILLES
JAMAICA
PORTO RICO
DOMINICA (Br.)
MARTINIQUE (Fr.)
SANTA LUCIA (Br.)
ST. VINCENT (Br.)
BARBADOS (Br.)
GRENADA (Br.)
TOBAGO (Br.)
TRINIDAD (Br.)
GUADELOUPE (Fr.)
Caracas
Maracaibo
Barranquilla
Cartagena
Bogota
Medellin
Cali
Popayan
Quito
Guayaquil
Cuenca
Iquitos
Lima
Callao
Arequipa
Mollendo
La Paz
Cochabamba
Santa Cruz
Sucre
Potosi
Oruro
Cuzco
Trujillo
Chiclayo
Piura
Paita
Huaraz
Ica
Ayacucho
Iquique
Antofagasta
Tocopilla
Caldera
Serena
Ovalle
Valparaiso
Santiago
Talca
Concepcion
Temuco
Puerto Montt
Ancud
Puerto Madryn
Rawson
Bahia Blanca
Viedma
Mendoza
Buenos Aires
Montevideo
Rio Grande do Sul
Porto Alegre
Pelotas
Rio Pardo
Caxias
Laguna
Desterro
Curityba
Paranagua
Santos
Rio de Janeiro
San Paulo
Campinas
Petropolis
Victoria
Ouro Preto
Bello Horizonte
Diamantina
Porto Alegre
Cannavieras
Goyaz
Cuyaba
Matto Grosso
Palma
Rio de Contas
Bahia
Bomjardim
Caxoeira
Penedo
Aracaju
Alagoas
Pernambuco
Parahiba
Ceara
Maranhao
Para
Manaos
Santarem
Obidos
Mouths of the Amazon R.
Bragança
Parnahiba
Granja
Araripi
Therezina
S. Francisco
Carolina
Santa Maria
Joazeiro
Francisco R.
Tocantins R.
Xingu R.
Tapajoz R.
Madeira R.
Purus R.
Javary R.
Iça R.
Japura R.
Negro R.
Amazon R.
Orinoco R.
Orinoco Delta
Meta R.
Sierra Pacaraima
Sierra Parima
Sierra Geral Mts.
Sierra Mantiqueira
Sierra Espinhaço
Sierra Tumucumaque
Sierra Acaray
Sierra Maracaju
Sierra Tandil
Sierra Ventana
Sierra Cordoba
Sierra Famatina
Sierra Aconcagua
Sierra Nevada
Andes
Cordillera Real
Cordillera Central
Cordillera Occidental
Cordillera Oriental
Cordillera Blanca
Cordillera Huayhuash
Cordillera Vilcanota
Cordillera Vilcabamba
Cordillera Huanuco
Cordillera Huallaga
Cordillera Huaylas
Cordillera Huanta
Cordillera Huaytapallana
Cordillera Huanzo
Cordillera Huanchaca
Cordillera Huanchaca
Cordillera Huanchaca


REFERENCE
HEIGHT OF LAND
Over 6000 feet
3000-6000 "
1200-3000 "
600-1200 "
0-600 "
Below Sea Level
DEPTH OF SEA
0-100 fathoms
100-1000 "
Below 1000 "
ISOTHERMAL LINES
(In Degrees Fahrenheit)
for January
for July
Navigable Rivers
Hammond's Physical Map of Europe
Copyright by
C.S. Hammond & Co., N.Y.
PHYSICAL MAP
OF
EUROPE
SCALE OF MILES
0 100 200 400 600 800 1000
15° Longitude 10° West from 5° Greenwich 0° Longitude 5° East from 10° Greenwich 15° 20° 25° 30° 35° 40° 45° 50° 55°
ARCTIC OCEAN
NORTH SEA
BALTIC SEA
ATLANTIC OCEAN
MEDITERRANEAN SEA
BLACK SEA
ICELAND
FAROE IS.
SHETLAND IS.
ORKNEY IS.
BRITISH ISLES
Edinburgh
London
Amsterdam
Berlin
Stockholm
Copenhagen
Brussels
Paris
Vienna
Budapest
Bukharest
Constantinople
Rome
Madrid
Lisbon
Gibraltar
Malta
Athens
Crete or Candia
Cyprus
Moscow
St. Petersburg
North C.
Nordkyn
Kola Peninsula
Gulf of Bothnia
Gulf of Finland
Gulf of Riga
Archangel
Dvina R.
Volga R.
Ural R.
Ob R.
Petchora R.
Lena R.
Yenisei R.
Kara Sea
White Sea
Caspian Sea
Aral Sea
Sea of Azof
Black Sea
Dead Sea
Caucasus Mts.
Ural Mts.
Balkan Mts.
Carpathian Mts.
Alps
Pyrenees
Apennines
Sierra Nevada
Atlas Mts.
Dover Strait
English Channel
Bay of Biscay
Gulf of Lyons
Gulf of Genoa
Adriatic Sea
Ionian Sea
Aegean Sea
Sea of Marmora
Sea of Azof
Str. of Gibraltar
Str. of Bonifacio
Str. of Messina
C. Finisterre
C. St. Vincent
C. Bon
C. Matapan
Arctic Circle
Tropic of Cancer
Equator
Tropic of Capricorn
Antarctic Circle

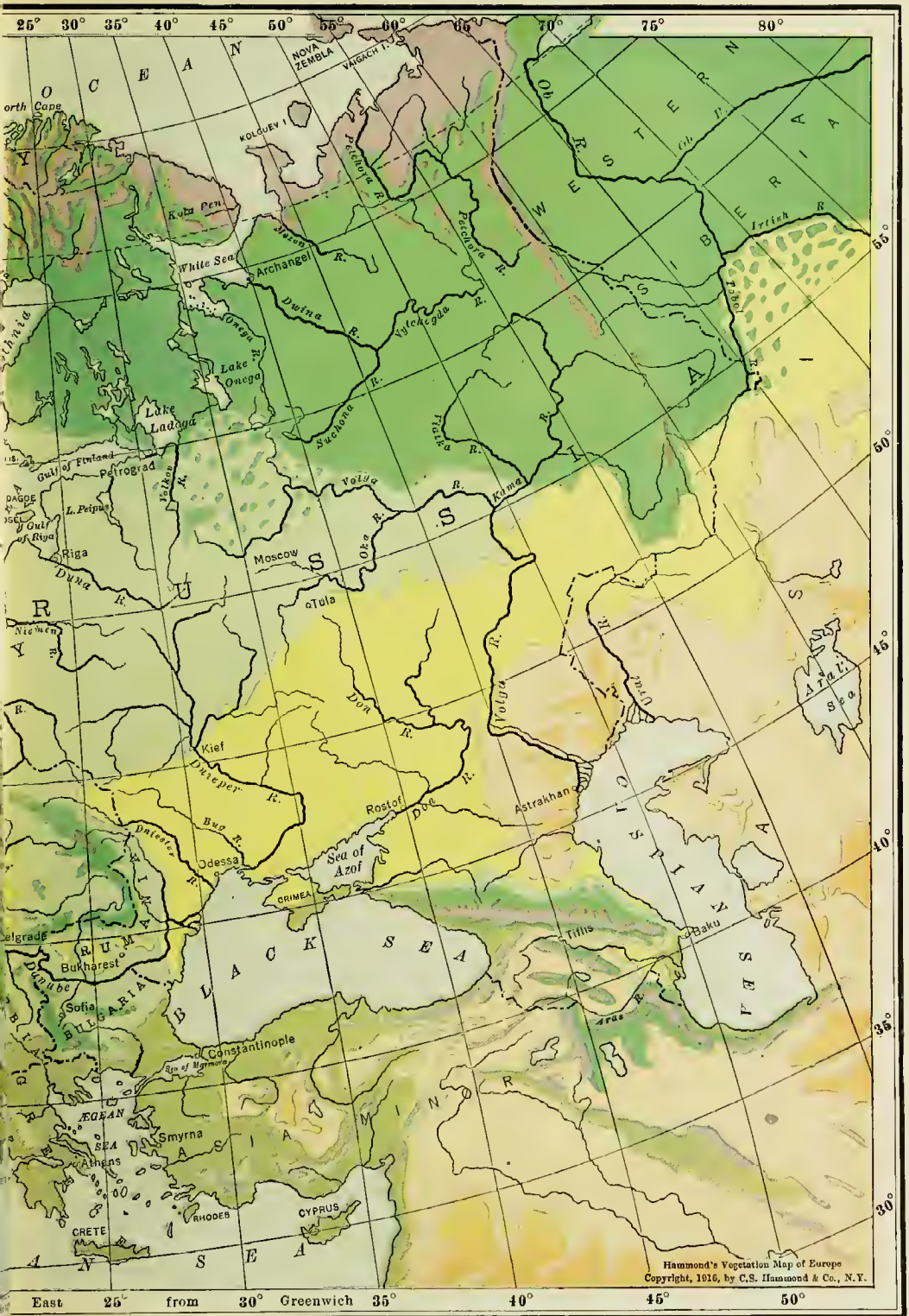

REFERENCE
Rainfall
Mean for 6 months from
May 1 to Oct. 31.
Over 40 inches
30-40 "
20-30 "
10-20 "
5-10 "
Under 5 "
29.7° July Isobars
Prevailing Winds
29.8
29.8
29.9
30.0
30.0
30.0
ARCTIC
ICELAND
Reikiavik
ARCTIC CIRCLE
FAROE IS.
SHETLAND IS.
ORKNEY IS.
HEBRIDES
NORTH SEA
BRITISH ISLES
IRELAND
Dublin
Belfast
Irish Sea
Liverpool
Manchester
Hull
Glasgow
Edinburgh
Dundee
Aberdeen
Cork Channel
C. Clear
St. Georges Channel
Lands End
Plymouth
English Channel
London
Birmingham
Amsterdam
The Hague
Antwerp
Southampton
Havre
Paris
Seine R.
Loire R.
FRANCE
Bordeaux
Garonne R.
BAY OF BISCAY
C. Finisterre
Oporto
Douro R.
Lisbon
Tagus R.
Portalegre
C. St. Vincent
Guadalquivir R.
Strait of Gibraltar
Malaga
SPAIN
Madrid
Valencia
Ebro R.
Barcelona
BALEARIC IS.
IVIZA
MINORCA
MAJORCA
Marseille
Rhone R.
Genoa
CORSICA
Leghorn
Rome
Tiber R.
Naples
SARDINIA
Palermo
SICILY
Messina
C. Bon
MEDITERRANEAN SEA
ADRIATIC SEA
Venice
Po R.
Trieste
Fiume
Montenegro
Cettinje
Durazzo
Corfu
Trondhjem
Christiansund
Christiania
Gulf of Bothnia
Stockholm
Gottenborg
GOTLAND
Skagerrack
Copenhagen
BORNHOLM
Hamburg
Elbe R.
Bremen
Danzig
Stettin
Berlin
Oder R.
Warsaw
Breslau
Leipzig
Essen
Ruhr R.
Luxemburg
Moselle R.
Meuse R.
Prague
Vienna
Danube R.
Switzerland
Budapest
Drave R.
Save R.
Theiss R.
Rhine R.
Lyon
Saone R.
Rhone R.
Pyrenees
Andorra
Ebro R.
Tagus R.
Guadiana R.
Douro R.
Loire R.
Garonne R.
Seine R.
Meuse R.
Elbe R.
Oder R.
Vistula R.
Po R.
Tiber R.
Rhine R.
Danube R.
Save R.
Drave R.
Theiss R.

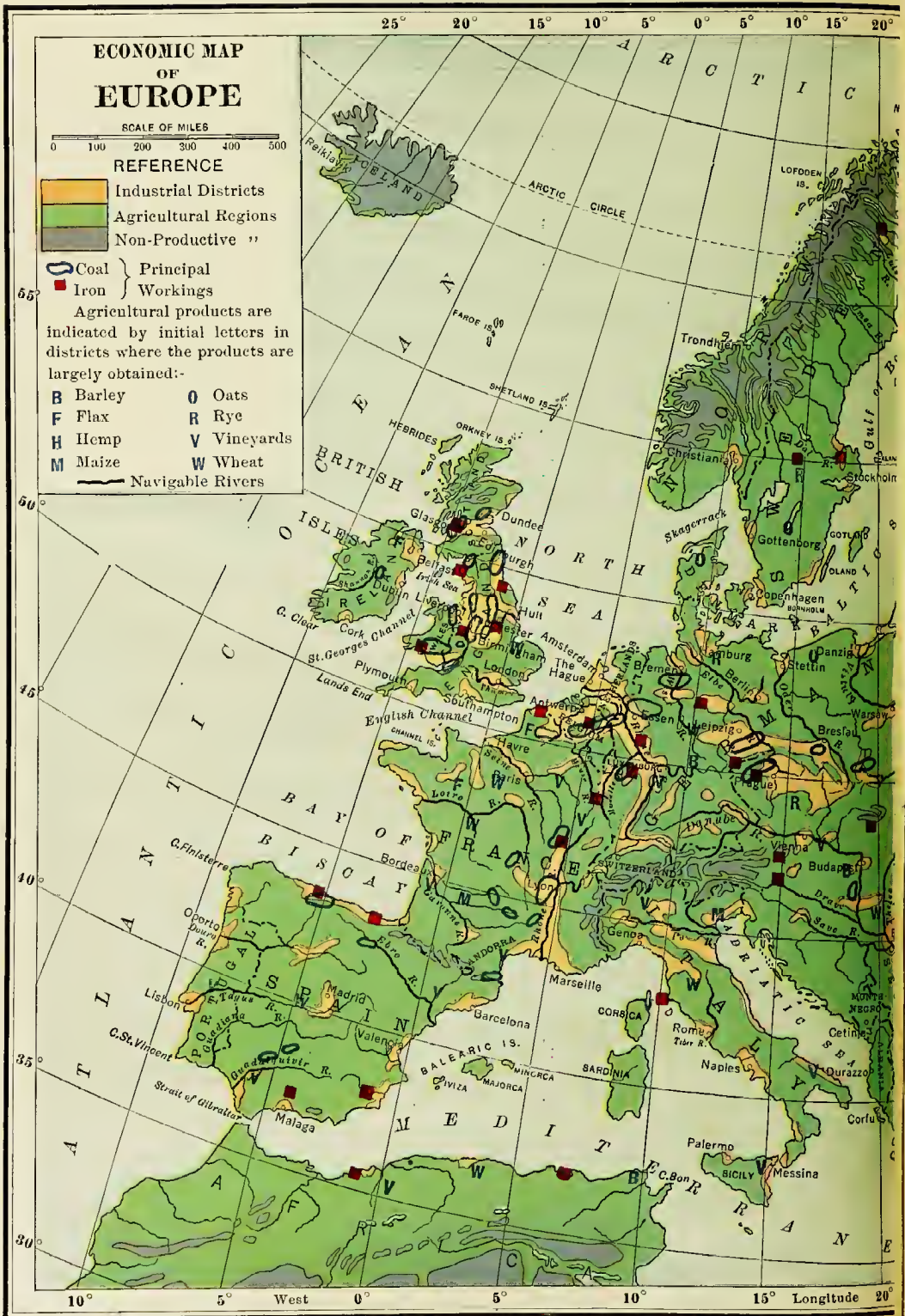

CLIMATE MAP
OF
EUROPE
SUMMER CONDITIONS
SCALE OF MILES
0 100 200 300 400 500
Hammond's Climate Map of Europe
Copyright by C.S. Hammond & Co., N.Y.
29.8°
29.7°
29.7°
East 25° from 30° Greenwich 35° 40° 45° 50°
25° 30° 35° 40° 45° 50° 55° 60° 70° 75° 80°
55° 50° 45° 40° 35° 30°
NOVA ZEMBLA
VAIGACH I.
KOLGUEV I.
Kola Pen.
White Sea
Archangel
Dwina R.
Onega R.
Lake Onega
Lake Ladoga
Gulf of Finland
Petrograd
L. Peipus
Gulf of Riga
Riga
Dwina R.
Moscow
Tula
Volga R.
Kama R.
Don R.
Kief
Dnieper R.
Bug R.
Dniester R.
Odessa
Rostof
Sea of Azof
CRIMEA
Astrakhan
Tillis
Baku
Caspian Sea
Aral L.
Aral Sea
Black Sea
Bukharest
Sofia
Constantinople
Sea of Marmora
Smyrna
Athens
CRETE
RHODES
CYPRUS
Petchora R.
Petchora R.
Vytchegda R.
Sukhona R.
Vetluga R.
Volga R.
Kama R.
Irtish R.
Tobol R.
Ural R.
Ural Mts.
Caucasus Mts.
Niemen R.
Vistula R.
Danube R.
Maritza R.
Kuban R.
Terek R.
Kur R.
Aras R.
Euphrates R.
Tigris R.
Asia Minor
Greece
Bulgaria
Roumania
Turkey
Russia
Siberia
Western Siberia
Eastern Siberia
Ocean

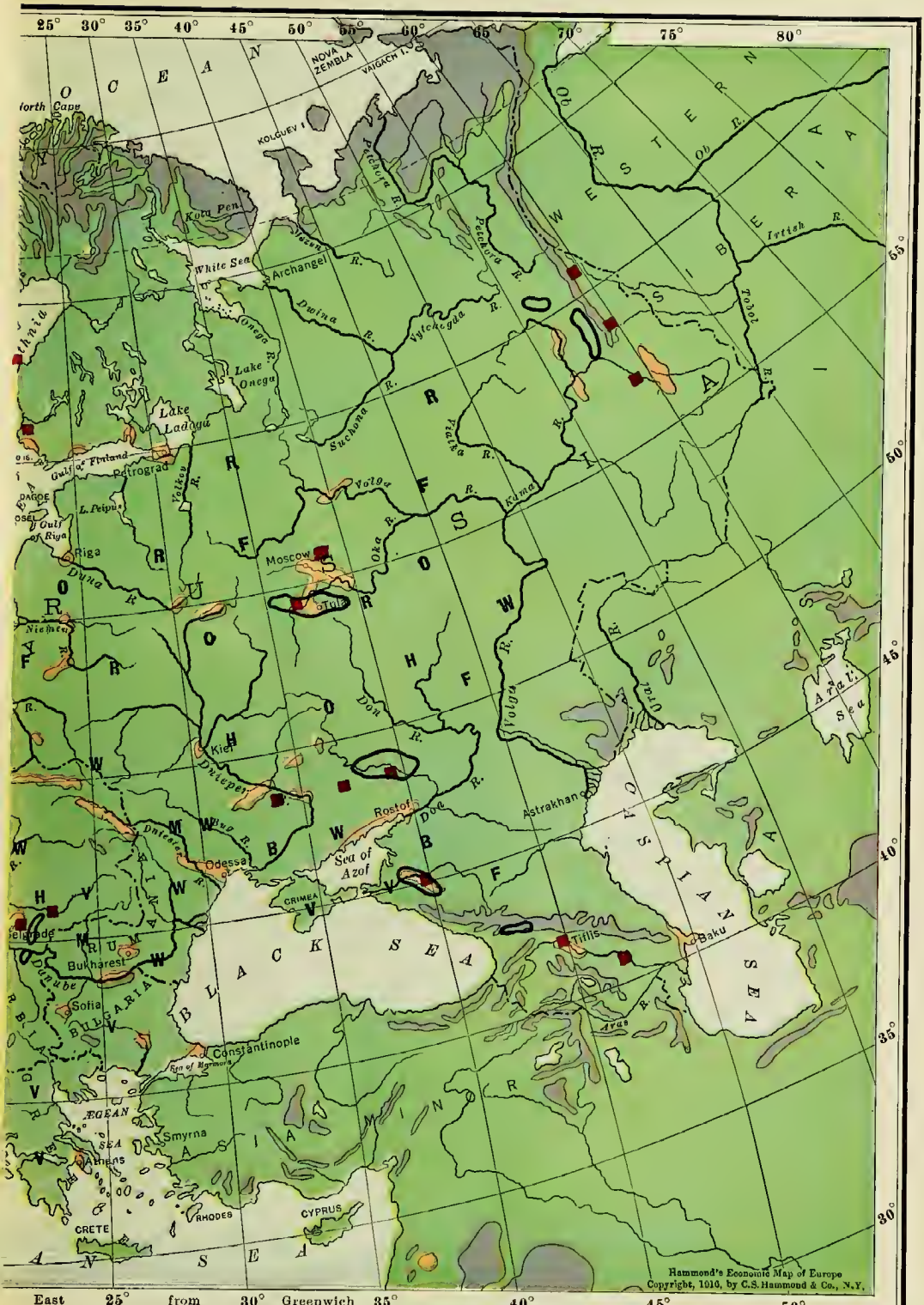

REFERENCE
Rainfall
Mean for 6 months from November 1 to April 30.
Over 40 inches
30-40 "
20-30 "
10-20 "
5-10 "
Under 5 "
29.7° January Isobars
Prevailing Winds
Sea and lakes closed by ice during winter.
ARCTIC CIRCLE
ICELAND
FAROE IS.
SHETLAND IS.
ORKNEY IS.
HEBRIDES
BRITISH ISLES
IRELAND
NORTH SEA
NORWEGIAN SEA
ATLANTIC OCEAN
BAY OF BISCAY
ENGLISH CHANNEL
CHANNEL IS.
FRANCE
SPAIN
PORTUGAL
MEDITERRANEAN SEA
BALEARIC IS.
MAJORCA
MINORCA
IVIZA
CORSICA
SARDINIA
SICILY
ALGERIA
Strait of Gibraltar
C. St. Vincent
C. Finisterre
C. Clear
St. George's Channel
Lands End
C. Bon
29.6
29.5
29.6
29.7
29.8°
29.9°
30.0°
30.1°
30.2°
30.1
30.0°
30.0
Reikiavik
Trondhjem
Christiania
Stockholm
Gothenburg
Copenhagen
Hamburg
Bremen
Danzig
Stettin
Berlin
Warsaw
Breslau
Prague
Vienna
Budapest
Dublin
Belfast
Glasgow
Edinburgh
Dundee
Liverpool
Manchester
Birmingham
London
Hull
Amsterdam
The Hague
Antwerp
Brussels
Essen
Cologne
Frankfort
Leipzig
Dresden
Plymouth
Southampton
Havre
Paris
Bordeaux
Lyons
Marseilles
Geneva
Barcelona
Valencia
Madrid
Lisbon
Oporto
Malaga
Naples
Rome
Palermo
Messina
Corfu
Cetinje
Durazzo
Lofoden Is.
10° 5° West 0° 5° 10° 15° Longitude 20°
25° 20° 15° 10° 5° 0° 5° 10° 15° 20°
55° 50° 45° 40° 35° 30°

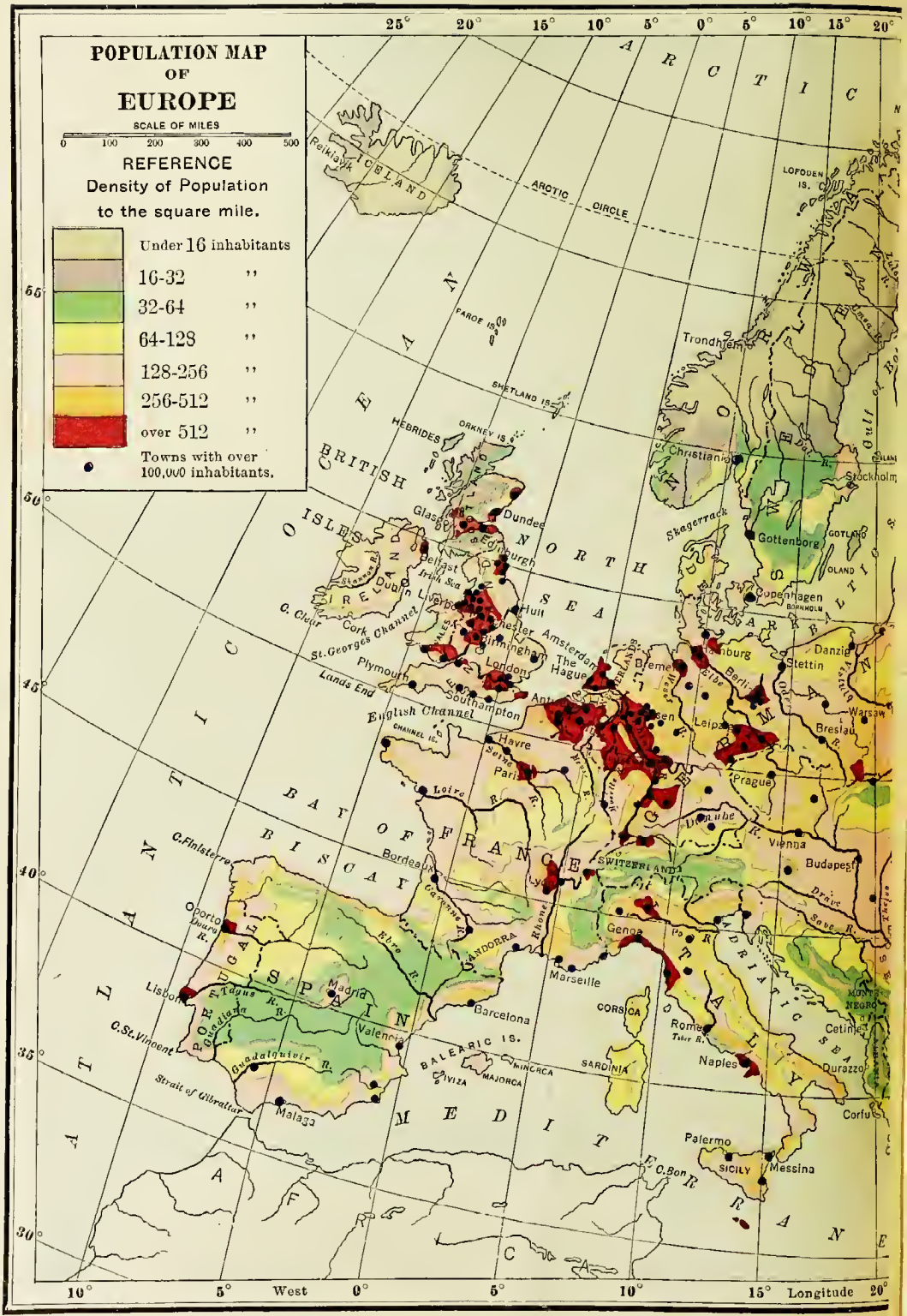

CLIMATE MAP
OF
EUROPE
WINTER CONDITIONS
SCALE OF MILES
0 100 200 300 400 500
Hammond's Climate Map of Europe
Copyright by C.S.Hammond & Co.,N.Y.
29.7
29.8
29.9
30.0
30.1
30.2
30.3
30.4
30.2
30.1
30.2
30.3
30.4
30.0
30.1
Archangel
Moscow
Petrograd
Riga
Kief
Odessa
Rostof
Astrakhan
Tiflis
Baku
Constantinopla
Smyrna
Athens
Bukharest
Sea of Azof
BLACK SEA
CASPIAN SEA
ARAL SEA
CRIMEA
CYPRUS
CRETE
RHODES
Lake Onega
Lake Ladoga
Gulf of Finland
Kara Sea
White Sea
NOVA ZEMBLA
Volga R.
Dwina R.
Oka R.
Don R.
Ural R.
Ob R.
Irtish R.
Petchora R.
Kama R.
Tobol R.
Tarka R.
Sukhona R.
Vytchegda R.
Dniester R.
Dnieper R.
Niemen R.
Duna R.
Danube
Aras R.
Kuban R.
WESTERN SIBERIA
EASTERN SIBERIA
ÆGEAN SEA
Sea of Marmora
East 25° from 30° Greenwich 35° 40° 45° 50°
25° 30° 35° 40° 45° 50° 55° 60° 65° 70° 75° 80°
55° 60° 45° 40° 35° 30°

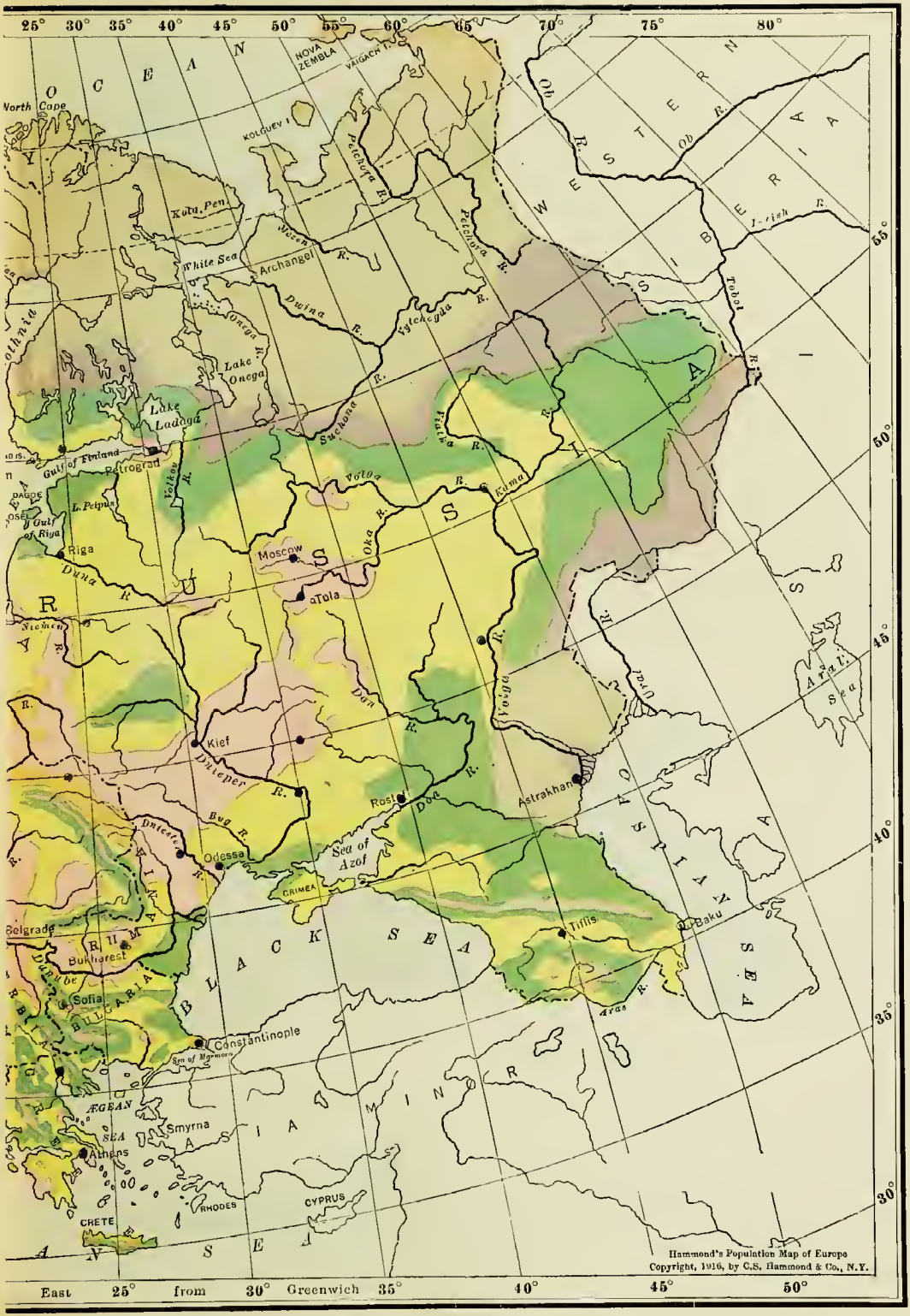
VEGETATION MAP
OF
EUROPE
SCALE OF MILES
0 100 200 300 400 500
REFERENCE
Natural Vegetation
Ice Desert, Tundra and Alpine Flora
Coniferous Forest
Broad-leaved Forest and Meadow
Evergreen Trees and Shrubs
Temperate Grasslands
Semi-desert
Desert
Oases
ARCTIC CIRCLE
ICELAND
FAROE IS.
SHETLAND IS.
ORKNEY IS.
HEBRIDES
BRITISH ISLES
IRELAND
NORTH SEA
NORWEGIAN SEA
ATLANTIC OCEAN
BAY OF BISCAY
ENGLISH CHANNEL
MEDITERRANEAN SEA
Reikiavik
Trondhjem
Christiania
Stockholm
Gothenburg
Copenhagen
Skagerrack
Dundee
Edinburgh
Glasgow
Belfast
Dublin
Liverpool
Manchester
Birmingham
Hull
London
Amsterdam
The Hague
Hamburg
Bremen
Berlin
Danzig
Stettin
Warsaw
Breslau
Leipzig
Dresden
Prague
Vienna
Budapest
Essen
Antwerp
Southampton
Plymouth
Havre
Paris
Cork
C. Clear
St. George's Channel
Lands End
Bordeaux
Lyons
Geneva
Marseilles
Genoa
Corsica
Barcelona
Madrid
Lisbon
Oporto
Valencia
Balearic Is.
Minorca
Majorca
Ivica
Sardinia
Rome
Naples
Palermo
Sicily
Messina
Malta
Corfu
Durazzo
Cattaro
Montenegro
Strait of Gibraltar
C. St. Vincent
C. Finisterre
C. Bon
Andorra
Switzerland
Luxemburg
Belgium
Rhine R.
Danube R.
Loire R.
Seine R.
Elbe R.
Oder R.
Vistula R.
Po R.
Rhone R.
Ebro R.
Douro R.
Tagus R.
Guadiana R.
Guadalquivir R.
Tiber R.
Drave R.
Save R.
Skagerrack
Kattegat
Gulf of Bothnia
Gulf of Finland
Gulf of Riga
Gulf of Venice
Adriatic Sea
Aegean Sea
Lofoden Is.
Gottland
Oland
Bornholm
Channel Is.
25° 20° 15° 10° 5° 0° 5° 10° 15° 20°
55°
50°
45°
40°
35°
30°
10° 5° West 0° 5° 10° 15° Longitude 20°


25° 30° 35° 40° 45° 50° 55° 60° 65° 70° 75° 80°
NOVA ZEMBLA
VAIGACH I.
KOLGUEV I.
Petchora R.
Ob R.
WESTERN SIBERIA
Irtish R.
Kola Pen.
White Sea
Archangel
Dwina R.
Onega R.
Lake Onega
Lake Ladoga
Gulf of Finland
Petrograd
Volkov R.
L. Peipus
Gulf of Riga
Riga
Dwina R.
Moscow
Oka R.
Volga R.
Kama R.
Tobol R.
Tula
Don R.
Kief
Dnieper R.
Bug R.
Dniester R.
Odessa
Rostof
Sea of Azof
CRIMEA
Astrakhan
Volga R.
Ural R.
Aral Sea
CASPIAN SEA
Tiflis
Baku
Aras R.
BLACK SEA
Bukharest
Danube R.
Sofia
BULGARIA
Constantinople
Sea of Marmora
AEGEAN SEA
Smyrna
Athens
RHODES
CYPRUS
CRETE
MINOR ASIA
Hammond's Vegetation Map of Europe
Copyright, 1916, by C.S. Hammond & Co., N.Y.
East from Greenwich
25° 30° 35° 40° 45° 50°
55° 50° 45° 40° 35° 30°


ECONOMIC MAP
OF
EUROPE
SCALE OF MILES
0 100 200 300 400 500
REFERENCE
Industrial Districts
Agricultural Regions
Non-Productive "
Coal
Iron
Principal Workings
Agricultural products are indicated by initial letters in districts where the products are largely obtained:-
B Barley
F Flax
H Hemp
M Maize
O Oats
R Rye
V Vineyards
W Wheat
Navigable Rivers
ARCTIC CIRCLE
ICELAND
Reikiavik
FAROE IS.
SHETLAND IS.
ORKNEY IS.
HEBRIDES
LOFODEN IS.
Trondhjem
Christiania
Stockholm
Gothenburg
Skagerrack
Copenhagen
BRITISH ISLES
IRELAND
Belfast
Dublin
Glasgow
Edinburgh
Dundee
Irish Sea
NORTH SEA
Hull
Liverpool
Manchester
Birmingham
Amsterdam
The Hague
London
Cork
C. Clear
Cork Channel
St. Georges Channel
Plymouth
Lands End
English Channel
CHANNEL IS.
Southampton
Antwerp
Havre
Paris
Seine R.
Loire R.
Bremen
Hamburg
Berlin
Elbe R.
Stettin
Danzig
Leipzig
Dresden
Breslau
Warsaw
Prague
Vienna
Budapest
Danube R.
Drave R.
Save R.
Belgrade
SWITZERLAND
Lyons
Genoa
Marseilles
Bordeaux
Garonne R.
C. Finisterre
Oporto
Douro R.
Lisbon
Tagus R.
Madrid
Ebro R.
ANDORRA
Barcelona
Valencia
Guadalquivir R.
C. St. Vincent
Strait of Gibraltar
Malaga
BALEARIC IS.
MINORCA
IVIZA
MAJORCA
CORSICA
SARDINIA
Rome
Tiber R.
Naples
Durazzo
Cetinje
MONTE NEGRO
Corfu
Palermo
SICILY
Messina
C. Bon
ATLANTIC OCEAN
BAY OF BISCAY
PORTUGAL
SPAIN
FRANCE
SWITZERLAND
ITALY
MEDITERRANEAN SEA
ADRIATIC SEA
GERMANY
AUSTRIA-HUNGARY
SWEDEN
NORWAY
25° 20° 15° 10° 5° 0° 5° 10° 15° 20°
55°
50°
45°
40°
35°
30°
10° 5° West 0° 5° 10° 15° Longitude 20°


25° 30° 35° 40° 45° 50° 55° 60° 65° 70° 75° 80°
NOVA ZEMBLA
VAIGACH I.
KOLGUEV I.
North Cape
Kola Pen.
White Sea
Archangel
Dwina R.
Onega R.
Lake Onega
Lake Ladoga
Gulf of Finland
Petrograd
Volkov R.
L. Peipus
Gulf of Riga
Riga
Dvina R.
Niemen R.
Moscow
Tula
Oka R.
Volga R.
Kama R.
Vyatka R.
Suchona R.
Vychegda R.
Petchora R.
Petchora R.
Ob R.
Ob R.
Irtish R.
Tobol R.
Ural R.
Ural Mts.
Aral L.
Sea
Kiel
Dnieper R.
Don R.
Rostof
Astrakhan
Caspian Sea
Sea of Azof
Dniester R.
Bug R.
Odessa
CRIMEA
Tiflis
Baku
Araxes R.
BLACK SEA
Danube R.
Bukharest
Sofia
Constantinople
Sea of Marmora
AEGEAN SEA
Smyrna
Athens
RHODES
CYPRUS
CRETE
MEDITERRANEAN SEA
ASIA MINOR
WESTERN SIBERIA
RUSSIA
ROUMANIA
BULGARIA
SERVIA
Hammond's Economic Map of Europe
Copyright, 1910, by C.S. Hammond & Co., N.Y.
East 25° from 30° Greenwich 35° 40° 45° 50°
55°
50°
45°
40°
35°
30°


POPULATION MAP
OF
EUROPE
SCALE OF MILES
0 100 200 300 400 500
REFERENCE
Density of Population
to the square mile.
Under 16 inhabitants
16-32 ,,
32-64 ,,
64-128 ,,
128-256 ,,
256-512 ,,
over 512 ,,
Towns with over 100,000 inhabitants.
ARCTIC
ARCTIC CIRCLE
ICELAND
Reikiavik
FAROE IS.
SHETLAND IS.
ORKNEY IS.
HEBRIDES
NORWEGIAN SEA
BRITISH ISLES
IRELAND
Dublin
Belfast
Irish Sea
Liverpool
Glasgow
Edinburgh
Dundee
Hull
Manchester
Birmingham
London
C. Clear
Cork Channel
St. Georges Channel
Plymouth
Lands End
English Channel
CHANNEL IS.
Southampton
Havre
Paris
Seine R.
Loire R.
NORTH SEA
Amsterdam
The Hague
Antwerp
Bremen
Weser R.
Elbe R.
Hamburg
Berlin
Leipsic
Prague
Danzig
Stettin
Warsaw
Breslau
Oder R.
Vistula R.
Trondhjem
LOFODEN IS.
Christiania
Skagerrack
Gothenburg
GOTLAND
OLAND
Copenhagen
BORNHOLM
Stockholm
Gulf of Bothnia
BALTIC SEA
Lubeck
Rhine R.
Danube R.
Vienna
Budapest
Drave R.
Save R.
SWITZERLAND
Bordeaux
Garonne R.
Rhone R.
ANDORRA
Genoa
Po R.
Marseille
ADRIATIC SEA
MONTENEGRO
Cetinje
Durazzo
Corfu
CORSICA
Rome
Tiber R.
Naples
ITALY
BAY OF BISCAY
C. Finisterre
Oporto
Douro R.
Lisbon
Tagus R.
Guadiana R.
Madrid
SPAIN
Ebro R.
Barcelona
Valencia
BALEARIC IS.
MINORCA
MAJORCA
IVIZA
SARDINIA
C. St. Vincent
Guadalquivir R.
Strait of Gibraltar
Malaga
MEDITERRANEAN SEA
Palermo
SICILY
Messina
C. Bon
AFRICA
ATLANTIC OCEAN
55°
50°
45°
40°
35°
30°
25° 20° 15° 10° 5° 0° 5° 10° 15° 20°
10° 5° West 0° 5° 10° 15° Longitude 20°



Hammond's Population Map of Europe
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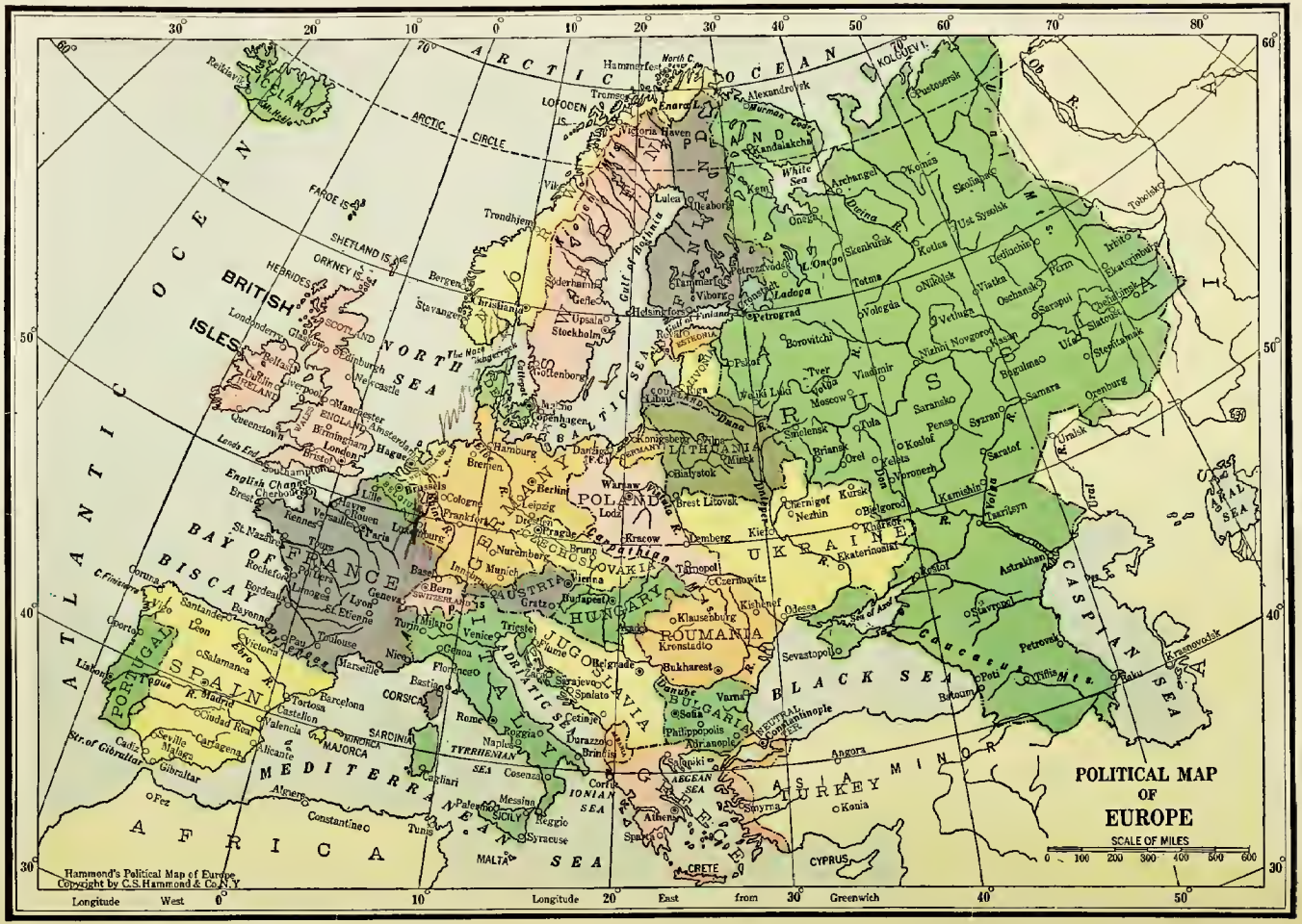
POLITICAL MAP
OF
EUROPE
SCALE OF MILES
0 100 200 300 400 500 600
ARCTIC OCEAN
ATLANTIC OCEAN
BRITISH ISLES
ICELAND
FAROE IS.
SHETLAND IS.
ORKNEY IS.
HEBRIDES
NORTH SEA
BALTIC SEA
NORWAY
SWEDEN
FINLAND
RUSSIA
DENMARK
GERMANY
POLAND
LITHUANIA
FRANCE
SPAIN
PORTUGAL
BAY OF BISCAY
AUSTRIA
HUNGARY
CZECHO-SLOVAKIA
SWITZERLAND
ITALY
JUGO-SLAVIA
ROUMANIA
BULGARIA
BLACK SEA
CASPIAN SEA
MEDITERRANEAN SEA
TURKEY
ASIA MINOR
AFRICA
CYPRUS
CRETE
MALTA
Hammond's Political Map of Europe.
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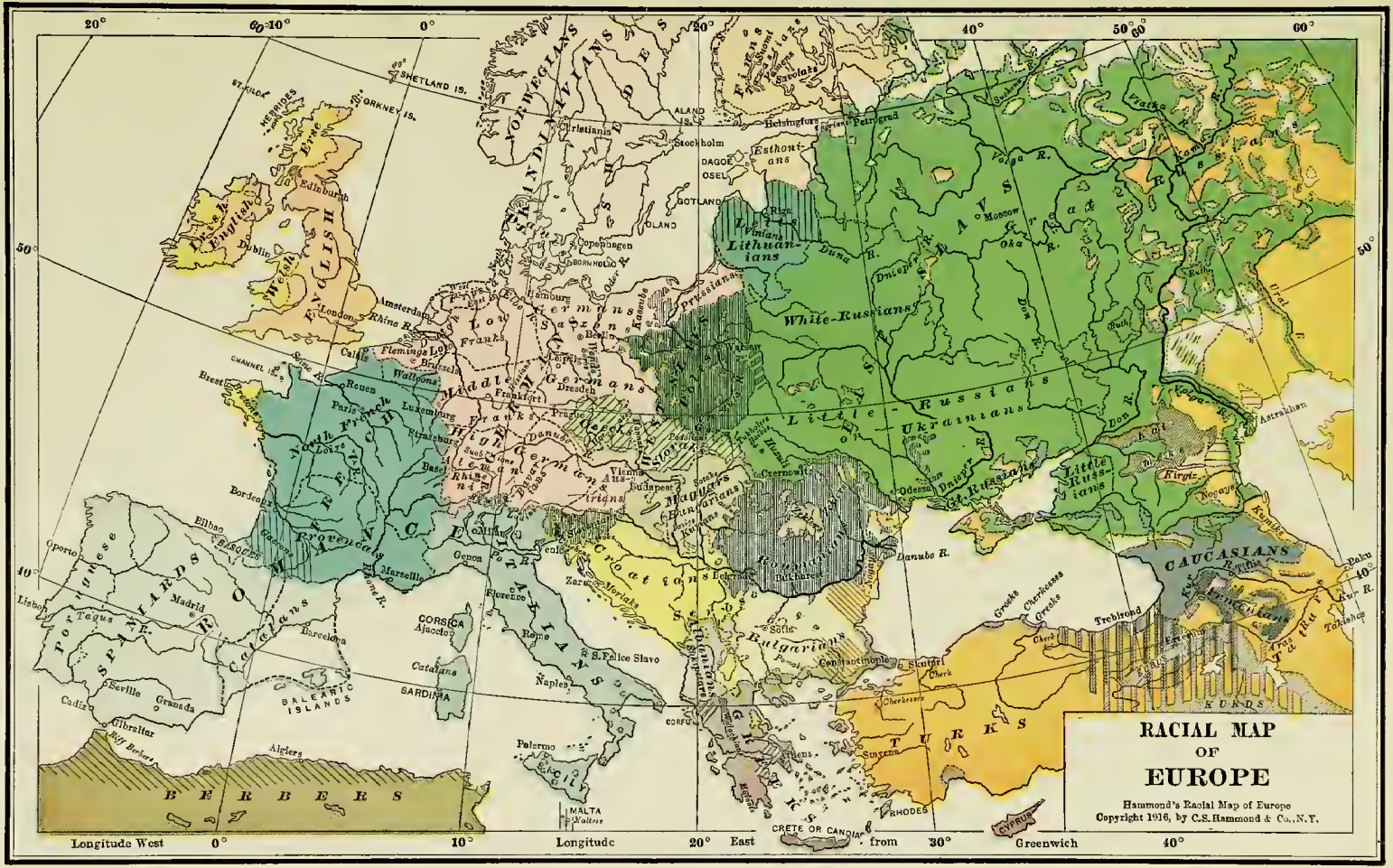
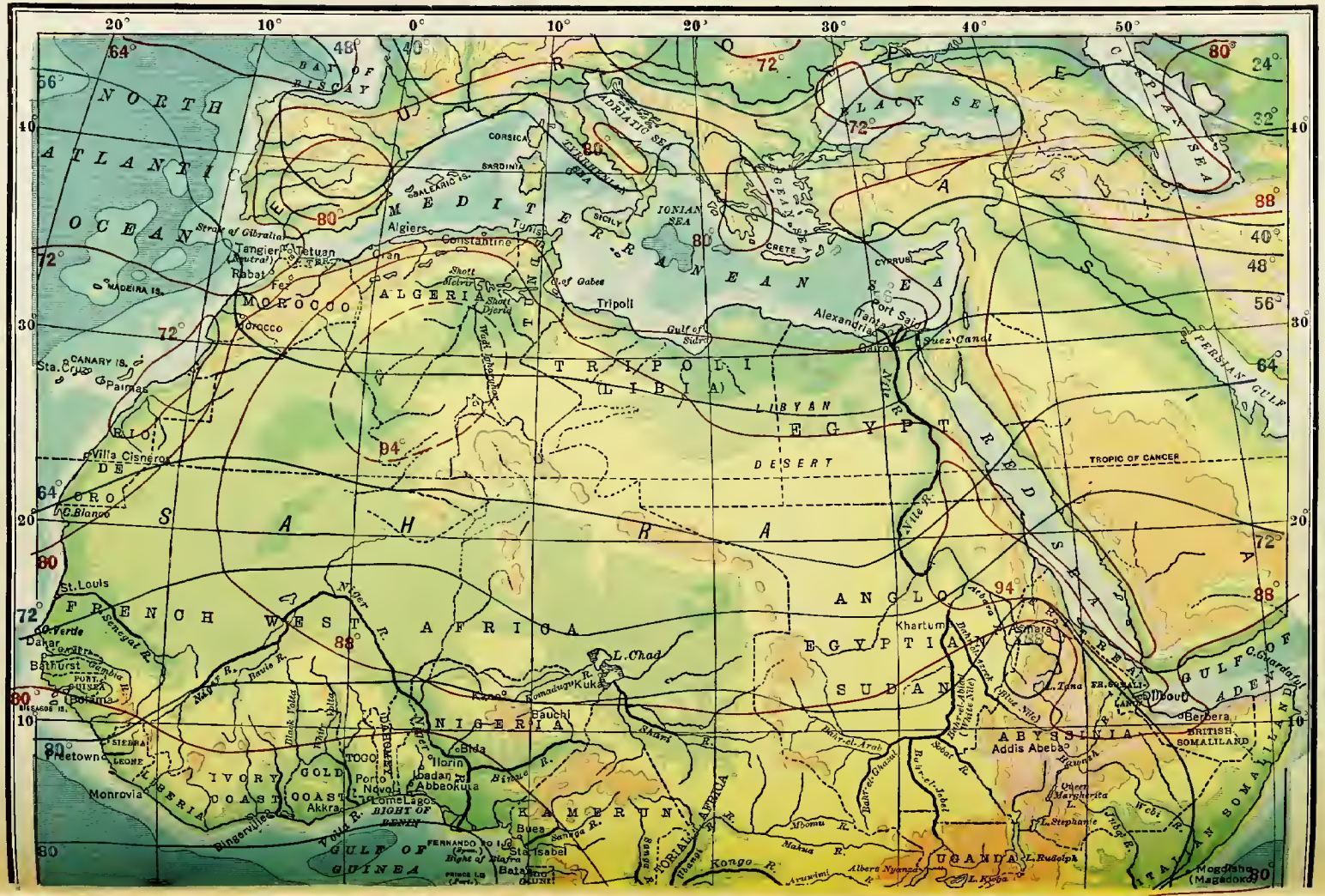
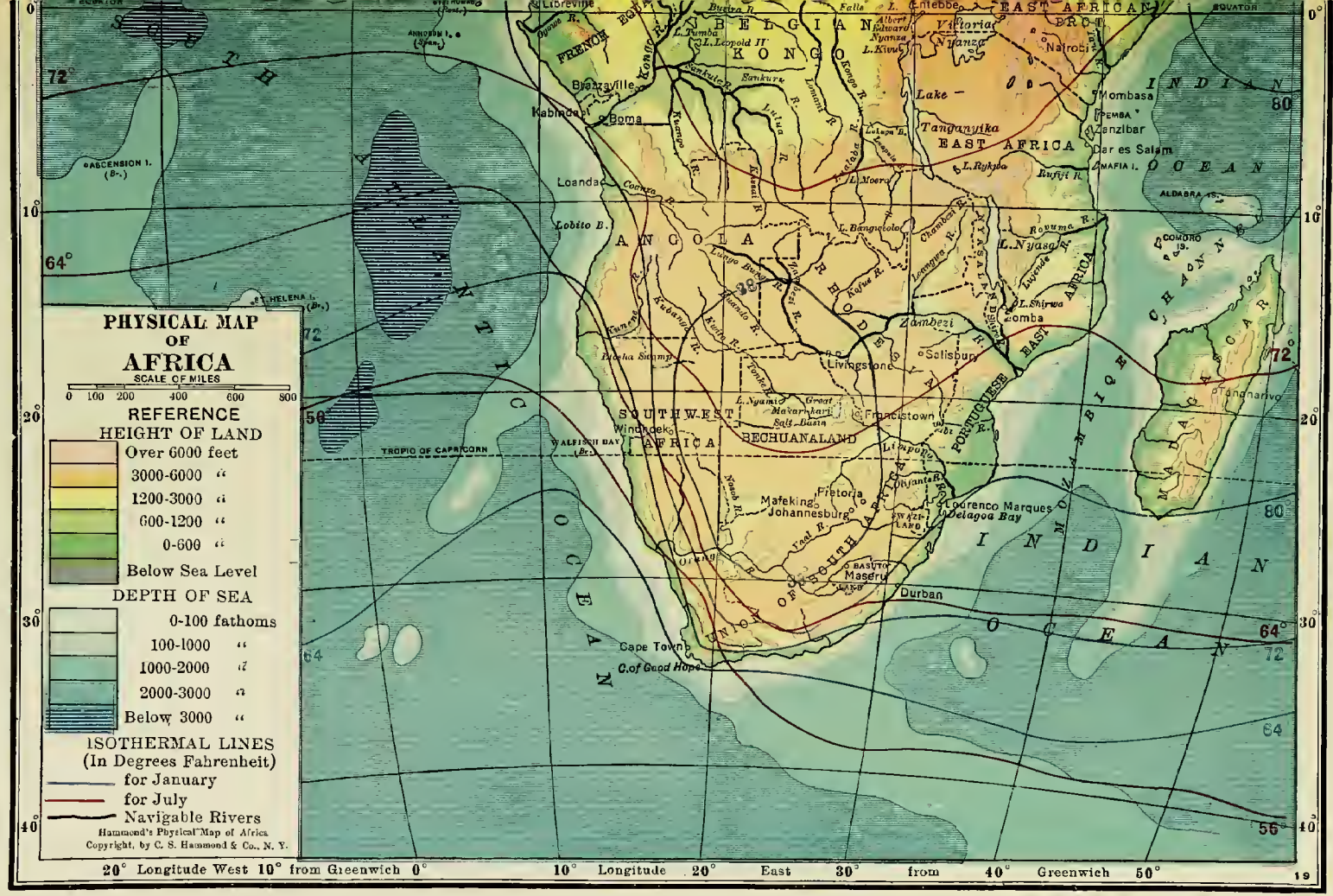
Longitude West from Greenwich
Longitude East from Greenwich


RACIAL MAP
OF
EUROPE
Hammond's Racial Map of Europe
Copyright 1916, by C.S. Hammond & Co., N.Y.
Longitude West from Greenwich
Longitude East from Greenwich
20° 10° 0° 10° 20° 30° 40° 50° 60°
SHETLAND IS.
ORKNEY IS.
HEBRIDES
ENGLISH
Edinburgh
Dublin
London
Amsterdam
Rhine R.
Calais
Flemings
Brussels
Wallons
Rouen
Paris
Luxemburg
Strasburg
Brest
Bordeaux
Loire R.
Seine R.
Rhone R.
Marseilles
Nantes
Lyons
Basel
Frankfort
Dresden
Prague
Berlin
Hamburg
Leipsic
Danube R.
Vienna
Buda-Pesth
Belgrade
Bucharest
Odessa
Kiev
Moscow
Petrograd
Helsingfors
Stockholm
Christiania
Copenhagen
Esthonians
Livonians
Lithuanians
Prussians
White-Russians
Little-Russians
Ukrainians
Don R.
Volga R.
Dnieper R.
Oka R.
Duna R.
Astrakhan
Kirgiz
Nogays
Kalmucks
Caucasians
Georgians
Armenians
Kurds
Trebizond
Constantinople
Smyrna
Cherkess
Greeks
Bulgarians
Roumanians
Croatians
Servians
Albanians
Greeks
Turks
Lisbon
Oporto
Madrid
Taqus
Seville
Cadiz
Granada
Gibraltar
Barcelona
Catalans
Basques
Bilbao
Portuguese
Spaniards
Florence
Rome
Naples
Palermo
Sicily
Genoa
Corsica
Ajaccio
Sardinia
Balearic Islands
Algiers
Berbers
Malta
Crete or Candia
Rhodes
Cyprus
Corfu
Zara
Spalatro
Scutari
Sofia
Pomaks
Cherkess
Tcherkess
Tchuds
Finns
Lapps
Samoyeds
Tartars
Kirgiz
Nogays
Kalmucks
Caucasians
Georgians
Armenians
Kurds
Turks
Greeks
Cherkess
Trebizond
Constantinople
Smyrna
Bulgarians
Roumanians
Croatians
Servians
Albanians
Greeks
Turks
Lisbon
Oporto
Madrid
Taqus
Seville
Cadiz
Granada
Gibraltar
Barcelona
Catalans
Basques
Bilbao
Portuguese
Spaniards
Florence
Rome
Naples
Palermo
Sicily
Genoa
Corsica
Ajaccio
Sardinia
Balearic Islands
Algiers
Berbers
Malta
Crete or Candia
Rhodes
Cyprus
Corfu
Zara
Spalatro
Scutari
Sofia
Pomaks
Cherkess
Tcherkess
Tchuds
Finns
Lapps
Samoyeds
Tartars
Kirgiz
Nogays
Kalmucks
Caucasians
Georgians
Armenians
Kurds
Turks
Greeks
Cherkess
Trebizond
Constantinople
Smyrna
Bulgarians
Roumanians
Croatians
Servians
Albanians
Greeks
Turks

REFERENCE
Languages
Celtic or Gaelic
Basque
French
Portuguese
Spanish
Italian
Roumanian
Albanian
Greek
Hungarian
Swedish
Norwegian
Danish
English
Dutch
Flemish
Walloon
German
Russian and Ruthenian
Polish
Wend
Lettish and Lithuanian
Czech and Moravian
Slovakian
Slovene
Serbo-Croatian
Bulgarian
Finnish
Turkish and Tartar
ARCTIC
BRITISH ISLES
NORTH SEA
BAY OF BISCAY
ENGLISH CHANNEL
FRANCE
SPAIN
PORTUGAL
MEDITERRANEAN SEA
ADRIATIC SEA
ITALY
SWITZERLAND
AUSTRIA
HUNGARY
GERMANY
BALTIC SEA
Trondhjem
Christiania
Stockholm
Gottenborg
Copenhagen
Hamburg
Bremen
Berlin
Stettin
Danzig
Warsaw
Breslau
Prague
Vienna
Budapest
Amsterdam
The Hague
Antwerp
Essen
Leipzig
Dresden
Hull
Manchester
Birmingham
London
Southampton
Plymouth
Dublin
Belfast
Glasgow
Edinburgh
Dundee
Havre
Paris
Bordeaux
Lyon
Genoa
Marseille
Barcelona
Madrid
Lisbon
Oporto
Malaga
Valencia
Naples
Rome
Palermo
Messina
Corfu
Durazzo
Cetinje
Belgrade
Constantinople
Smyrna
Trieste
Venice
Milan
Turin
Geneva
Basle
Zurich
Munich
Nuremberg
Frankfort
Cologne
Metz
Strasburg
Nancy
Orleans
Tours
Nantes
Brest
Cherbourg
Caen
Rouen
Dieppe
Calais
Boulogne
Ostend
Brussels
Luxemburg
Liege
Utrecht
Rotterdam
Antwerp
Aberdeen
Inverness
Stornoway
Hebrides
Orkney Is.
Shetland Is.
Lofoden Is.
Gulf of Bothnia
Gulf of Finland
Baltic Sea
Skagerrack
Gotland
Oland
Bornholm
Channel Is.
Balearic Is.
Majorca
Minorca
Ivica
Sardinia
Corsica
Sicily
Andorra
Gibraltar
Strait of Gibraltar
C. Finisterre
C. St. Vincent
C. Bon
C. Clear
St. George's Channel
Irish Sea
Lands End
Shannon R.
Thames R.
Seine R.
Loire R.
Garonne R.
Rhone R.
Douro R.
Tagus R.
Guadalquivir R.
Ebro R.
Po R.
Tiber R.
Danube R.
Elbe R.
Oder R.
Vistula R.
Rhine R.
Weser R.
Ems R.
Meuse R.
Scheldt R.
Dniester R.
Dnieper R.
Don R.
Volga R.
Kama R.
Petchora R.
Northern Dwina R.
Onega L.
Ladoga L.
Peipus L.
Ilmen L.
Wenern L.
Wetter L.
Mälar L.
Hjelmar L.
Vener L.
Vetter L.
Constance L.
Geneva L.
Neufchatel L.
Zurich L.
Lucerne L.
Como L.
Garda L.
Maggiore L.
Balaton L.
Neusiedler L.
Plattensee L.
Black Sea
Sea of Azov
Caspian Sea
Aral Sea
Sea of Marmora
Archipelago
Gulf of Venice
Gulf of Genoa
Gulf of Lyons
Gulf of Biscay
Gulf of Cadiz
Gulf of Gascony
Gulf of Finland
Gulf of Bothnia
Gulf of Riga
Gulf of Archangel
Gulf of Onega
Gulf of Dantzic
Gulf of Lubeck
Gulf of Kiel
Gulf of Stettin
Gulf of Finland
Gulf of Bothnia
Gulf of Riga
Gulf of Archangel
Gulf of Onega
Gulf of Dantzic
Gulf of Lubeck
Gulf of Kiel
Gulf of Stettin
25°
20°
15°
10°
5°
0°
5°
10°
15°
20°
60°
55°
50°
45°
40°
35°
30°
10°
5°
West
0°
5°
10°
15°
20°
Longitude

LANGUAGE MAP
OF
EUROPE
SCALE OF MILES
0 100 200 300 400 500 600
Hammond's Language Map of Europe
Copyright by C.S.Hammond & Co., N.Y.
Asiatic
Indo-European
Semitic
Finnish
Smyrna
Constantinopla
Moscow
Kief
Odessa
Rostof
Astrakhan
Tiflis
Baku
Riga
Archangel
Petersburg
Warsaw
Berlin
Vienna
Budapest
Belgrade
Bukharest
Sofia
Athens
CRETE
RHODES
CYPRUS
CRIMEA
Tula
Volga
Dwina
Onega
Ladoga
Aral L.
Sea of Azof
BLACK SEA
CASPIAN SEA
MEDITERRANEAN SEA
White Sea
Gulf of Finland
Gulf of Riga
Dniester
Dniepter
Don
Ural
Ob
Tobol
Irtish
Petchora
Kolguev I
Nova Zembla
Vaigatch I
North Cape
Lake Onega
Lake Ladoga
Sea of Marmora
Turkey
Greece
Roumania
Bulgaria
Servia
Hungary
Austria
Prussia
Russia
Asia Minor
Arabia
Persia
Caucasus
Kalmucks
Samoyedes
Lapps
Finns
Tartars
Turks
Greeks
Jews
Gipsies
Germans
Poles
Russians
Lithuanians
Swedes
Norwegians
Danes
Hollanders
Belgians
French
Italians
Spaniards
Portuguese
Albanians
Wallachians
Servians
Bulgarians
Magyars
Croats
Slavonians
Bohemians
Moravians
Slovaks
Wends
Saxons
Bavarians
Swiss
Basques
Celts
Welsh
Irish
Scots
Gaels
Manx
Cornish
Bretons
Provençals
Catalans
Sardinians
Corsicans
Maltese
Ionian Islands
Iceland
Faroe Islands
Shetland Islands
Orkney Islands
Hebrides
Isle of Man
Channel Islands
Azores
Madeira
Canary Islands
Balearic Islands
Sicily
Sardinia
Corsica
Crete
Rhodes
Cyprus
Malta


20° 10° 0° 10° 20° 30° 40° 50°
NORTH ATLANTIC OCEAN
BAY OF BISCAY
MEDITERRANEAN SEA
BLACK SEA
CASPIAN SEA
RED SEA
PERSIAN GULF
GULF OF ADEN
GULF OF GUINEA
SAHARA
DESERT
TROPIC OF CANCER
CORSICA
SARDINIA
SICILY
CRETE
CYPRUS
IONIAN SEA
ADRIATIC SEA
Strait of Gibraltar
Tangier (Neutral)
Tetuan
Rabat
Fez
Morocco
MOROCCO
ALGIERS
Algiers
Constantine
Oran
Tunis
Shott Melrir
Shott Djerid
Gulf of Gabes
Tripoli
TRIPOLI (LIBIA)
Gulf of Sidra
LIBYAN DESERT
EGYPT
Port Said
Alexandria
Cairo
Suez Canal
Nile R.
MADEIRA IS.
CANARY IS.
Sta. Cruz
Palmas
RIO DE ORO
Villa Cisneros
C. Blanco
St. Louis
Dakar
C. Verde
FRENCH WEST AFRICA
Senegal R.
Bathurst
Gambia R.
PORT. GUINEA
Bissao
BISSAGOS IS.
Niger R.
Benue R.
Volta R.
Black Volta
White Volta
Freetown
SIERRA LEONE
LIBERIA
Monrovia
IVORY COAST
GOLD COAST
Akkra
TOGO
Porto Novo
Lome
Lagos
BIGHT OF BENIN
Bida
Ilorin
Ibadan
Abbeokuta
Bauchi
NIGERIA
Kano
Romadugu R.
Kuka
L. Chad
Shari R.
KAMERUN
Buea
Benue R.
Calabar
FERNANDO PO I.
Sta. Isabel
Bata
PRINCE I.S. (Port.)
TORIAL & AFRICA
Ubangi R.
Kongo R.
Aruwimi R.
Albert Nyanza
L. Kioga
UGANDA
L. Rudolph
ANGLO EGYPTIAN SUDAN
Khartum
Atbara R.
Blue Nile R.
White Nile
Dahr el Arab
Dahr el Ghazal
Sobat R.
Baro R.
Akobo R.
Asmara
ERITREA
L. Tana
FR. SOMALI
Obock
Berbera
ABYSSINIA
Addis Abeba
BRITISH SOMALILAND
Omo R.
Lake Margherita
L. Stephanie
Webi R.
Juba R.
ITALIAN SOMALILAND
Mogdisho (Magadoxo)
64° 48° 40° 72° 80° 24° 32° 88° 40° 48° 56° 64° 94° 72° 80° 88° 72° 80° 88° 80° 72° 80° 88° 80° 72° 80° 88° 80°
56° 40° 30° 20° 10° 30° 20° 10°


PHYSICAL MAP OF AFRICA
SCALE OF MILES
0 100 200 400 600 800
REFERENCE
HEIGHT OF LAND
Over 6000 feet
3000-6000 "
1200-3000 "
600-1200 "
0-600 "
Below Sea Level
DEPTH OF SEA
0-100 fathoms
100-1000 "
1000-2000 "
2000-3000 "
Below 3000 "
ISOTHERMAL LINES
(In Degrees Fahrenheit)
for January
for July
Navigable Rivers
Hammond's Physical Map of Africa.
Copyright, by C. S. Hammond & Co., N. Y.
BELGIAN KONGO
ANGOLA
SOUTHWEST AFRICA
BECHUANALAND
RHODESIA
PORTUGUESE EAST AFRICA
EAST AFRICA PROT.
Tanganyika Lake
ATLANTIC OCEAN
INDIAN OCEAN
MADAGASCAR
Libreville
Brazzaville
Boma
Loanda
Lobito B.
Walfish Bay
Windhoek
Francistown
Livingstone
Salisbury
Zomba
Nairobi
Mombasa
Zanzibar
Dar es Salam
Tananarivo
Mafeking
Pretoria
Johannesburg
Lourenco Marques
Delagoa Bay
Durban
Maseru
Cape Town
C. of Good Hope
Kabinda
Benguela
Nyasa L.
Victoria Nyanza
Albert Edward Nyanza
Kivu L.
Rudolf L.
Bangweolo L.
Moero L.
Rukwa L.
Shirwa L.
Ngami L.
Ascension I.
St. Helena I.
Tropic of Capricorn
Equator
72°
64°
50°
28°
20°
10°
0°
30°
40°
20° Longitude West 10° from Greenwich 0° 10° Longitude 20° East 30° from 40° Greenwich 50°

20°
10°
0°
10°
20°
30°
40°
50°
40
30
20
10
30.0
29.9
29.8
29.7
29.6
29.5
29.8
NORTH ATLANTIC OCEAN
BAY OF BISCAY
MEDITERRANEAN SEA
BLACK SEA
CASPIAN SEA
ADRIATIC SEA
TYRRHENIAN SEA
IONIAN SEA
AEGEAN SEA
CRETE
CYPRUS
CORSICA
SARDINIA
GALEARIC IS.
Strait of Gibraltar
Tangier
Tetuan
Rabat
Fez
MOROCCO
MADEIRA IS.
Algiers
Constantine
Oran
Tunis
Shott Melrir
Shott Djerid
C. of Gabes
Tripoli
ALGERIA
Gulf of Sidra
Alexandria
Port Said
Cairo
Suez Canal
Tunis
PERSIAN GULF
CANARY IS.
Sta. Cruz
Palmas
TRIPOLI (LIBIA)
LIBYAN DESERT
EGYPT
RED SEA
Nile R.
TROPIC OF CANCER
Rio de Oro
Villa Cisneros
C. Blanco
SAHARA
St. Louis
FRENCH WEST AFRICA
C. Verde
Dakar
Senegal R.
Bathurst
Gambia R.
PORTUGUESE GUINEA
Bolama
Niger R.
Benue R.
Kano
L. Chad
Kukawa
Bauchi
NIGERIA
Freetown
SIERRA LEONE
Monrovia
LIBERIA
IVORY COAST
GOLD COAST
Akkra
Volta R.
Togo
Bida
Ilorin
Ibadan
Abbeokuta
Porto Novo
Lome
Lagos
BIGHT OF BENIN
Black Volta R.
White Volta R.
Gambaga Scarp
Bingerville
GULF OF GUINEA
KAMERUN
Buea
Sanaga R.
FERNANDO PO (Sp.)
Bight of Biafra
Sta. Isabel
Batanga
PRINCE I. (Port.)
GABUN
EQUATORIAL AFRICA
Kongo R.
Ogowai R.
Mbomu R.
Makua R.
Albert Nyanza
L. Kioga
UGANDA
L. Rudolph
L. Stephanie
ANGLO EGYPTIAN SUDAN
Khartum
Blue R. (Bahr-el-Azrek)
White Nile (Bahr-el-Abiad)
Asmara
ERITREA
L. Tana
FR. SOMALILAND
Djibouti
Berbera
BRITISH SOMALILAND
GULF OF ADEN
ABYSSINIA
Addis Abebac
Bahr-el-Ghazal
Bahr-el-Arab
Sobat R.
Bahr-el-Jebel
Bahr-el-Zeraf
Upper Mareb
Upper Marjelerita L.
Webi R.
ITALIAN SOMALILAND
Mogdishu (Magadoxo)

69

CLIMATE MAP
OF
AFRICA
MAY 1 - OCT. 31
(Northern Summer; Southern Winter)
SCALE OF MILES
0 100 200 400 600 800
REFERENCE
Rainfall
Mean for 6 months from
May 1 to Oct. 31.
Over 40 inches
30-40 "
20-30 "
10-20 "
5-10 "
Under 5 "
29.7° July Isobars
Prevailing Winds
Hammond's Climate Map of Africa
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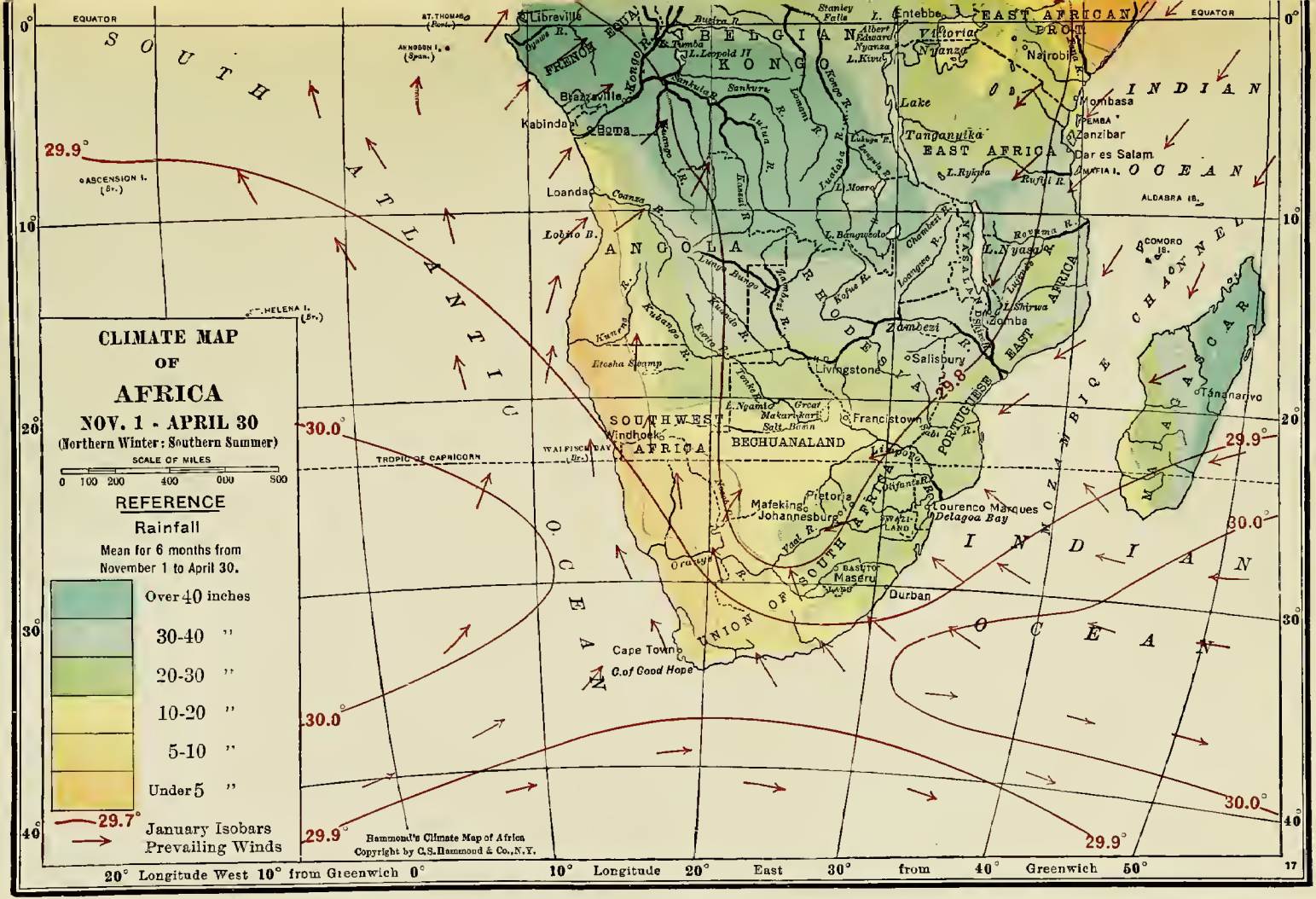
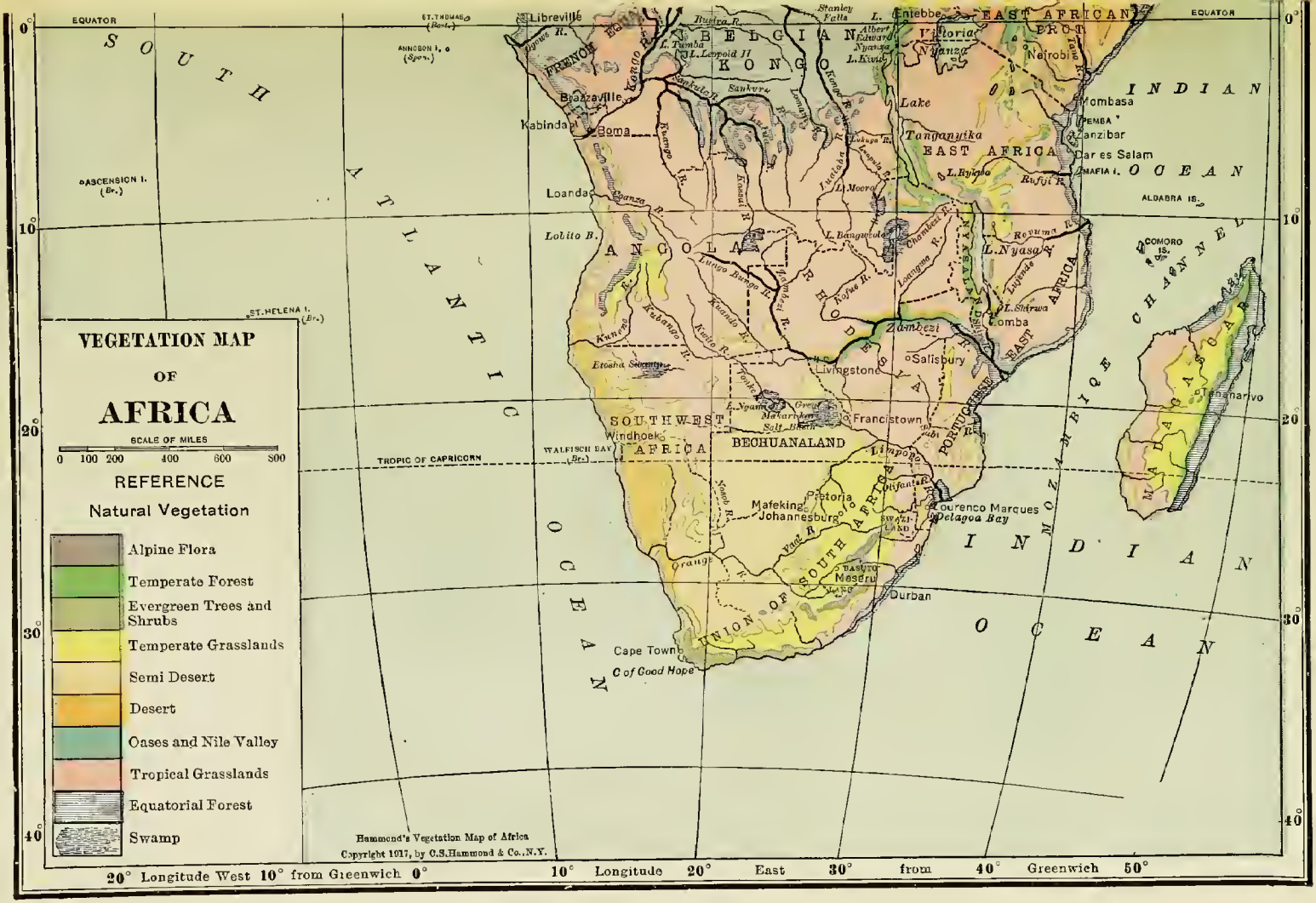
EQUATOR
TROPIC OF CAPRICORN
ATLANTIC OCEAN
INDIAN OCEAN
BELGIAN KONGO
ANGOLA
SOUTHWEST AFRICA
BECHUANALAND
UNION OF SOUTH AFRICA
PORTUGUESE EAST AFRICA
MOZAMBIQUE CHANNEL
EAST AFRICAN PROT.
Tanganyika
Lake Victoria Nyanza
Lake Nyasa
Libreville
Brazzaville
Kabinda
Boma
Loanda
Lobito B.
Benguela
Windhoek
WALFISCH BAY (Br.)
Walvis Bay
Francistown
Salisbury
Livingstone
Mafeking
Johannesburg
Pretoria
Lourenco Marques
Delagoa Bay
Durban
Cape Town
C. of Good Hope
Nairobi
Mombasa
Zanzibar
Dar es Salam
Entebbe
Tananarivo
ASCENSION I. (Br.)
ST. HELENA I. (Br.)
ST. THOMAS (Port.)
ANNOBON I. (Sp.)
ALDABRA IS.
COMORO IS.
MAURITIUS I.
29.9°
30.0°
30.1°
30.2°
20° Longitude West 10° from Greenwich 0° 10° Longitude 20° East 30° from 40° Greenwich 50°

20°
10°
0°
10°
20°
30°
40°
50°
40°
30°
20°
10°
NORTH ATLANTIC OCEAN
BAY OF BISCAY
MEDITERRANEAN SEA
BLACK SEA
CASPIAN SEA
ADRIATIC SEA
TYRRHENIAN SEA
IONIAN SEA
AEGEAN SEA
CORSICA
SARDINIA
SICILY
CRETE
CYPRUS
Strait of Gibraltar
Algiers
Tunis
Constantine
Oran
Tangier (Neutral)
Tetuan
Rabat
Fez
MOROCCO
ALGERIA
Morocco
MADEIRA IS.
CANARY IS.
Sta. Cruz
Palmas
Villa Cisneros
RIO DE ORO
C. Blanco
Shott Melrir
Shott Djerid
Wadi Igharghar
G. of Gabes
Tripoli
TRIPOLI (LIBIA)
Gulf of Sidra
Alexandria
Port Said
Suez Canal
Cairo
LIBYAN DESERT
EGYPT
RED SEA
PERSIAN GULF
TROPIC OF CANCER
SAHARA
St. Louis
FRENCH WEST AFRICA
C. Verde
Bathurst
FORT. GUINEA
Bolama
BISSAGOS IS.
Freetown
SIERRA LEONE
Monrovia
LIBERIA
IVORY COAST
GOLD COAST
Akkra
Porto Novo
Lome
Lagos
BIGHT OF BENIN
TOGO
DAHOMEY
Ibadan
Abbeokuta
Ilorin
Bida
Kano
Bauchi
NIGERIA
Niger R.
Benue R.
Sokoto R.
Shari R.
L. Chad
Kukawa
Ramadugu
CAMEROON
Buea
Isabel
Batanga
FERNANDO PO I. (Span.)
Bight of Biafra
PRINCE I. (Port.)
GULF OF GUINEA
Volta R.
Senegal R.
Gambia R.
Binger
Black Volta
White Volta
Khartum
ANGLO EGYPTIAN SUDAN
Atbara R.
Asmara
Blue Nile
L. Tana
ABYSSINIA
Addis Abeba
Djibouti
FR. SOMALILAND
Berbera
BRITISH SOMALILAND
GULF OF ADEN
C. Guardafui
ITALIAN SOMALILAND
Mogdishu (Magadoxo)
Queen Margherita
L. Stephanie
Webi R.
Juba R.
Omo R.
Turkana L.
Mbomu R.
Makua R.
Albert Nyanza
Semliki R.
Kongo R.
UGANDA
L. Rudolph
L. Kioga
30.1°
30.2°
30.0°
29.8°
29.9°


CLIMATE MAP
OF
AFRICA
NOV. 1 - APRIL 30
(Northern Winter: Southern Summer)
SCALE OF MILES
0 100 200 400 600 800
REFERENCE
Rainfall
Mean for 6 months from
November 1 to April 30.
Over 40 inches
30-40 "
20-30 "
10-20 "
5-10 "
Under 5 "
29.7°
January Isobars
Prevailing Winds
Hammond's Climate Map of Africa
Copyright by C.S. Hammond & Co., N.Y.
EQUATOR
TROPIC OF CAPRICORN
ATLANTIC OCEAN
INDIAN OCEAN
SOUTH
BELGIAN CONGO
FRENCH EQUA.
ANGOLA
SOUTHWEST AFRICA
BECHUANALAND
UNION OF SOUTH AFRICA
NORTHERN RHODESIA
SOUTHERN RHODESIA
NYASALAND
EAST AFRICAN PROT.
PORTUGUESE EAST AFRICA
MOZAMBIQUE CHANNEL
MADAGASCAR
Libreville
Brazzaville
Kabinda
Boma
Loanda
Lobito B.
Elisabethville
Stanley Falls
Entebbe
Victoria
Nyanza
Nairobi
Mombasa
Zanzibar
Dar es Salam
Lake Tanganyika
Lake Nyasa
Salisbury
Livingstone
Francistown
Windhoek
Mafeking
Johannesburg
Pretoria
Lourenco Marques
Delagoa Bay
Durban
Maseru
Cape Town
C. of Good Hope
Tananarivo
Zomba
Comoro Is.
Aldabra Is.
Mafia I.
Pemba
Ascension I. (Br.)
St. Helena I. (Br.)
St. Thomas (Port.)
Annobon I. (Span.)
Walfisch Bay (Br.)
29.9°
30.0°
29.8
29.7°
0°
10°
20°
30°
40°
20° Longitude West
10° from Greenwich
0°
10° Longitude
20° East
30° from
40° Greenwich
50°

20°
10°
0°
10°
20°
30°
40°
50°
40
30
20
10
NORTH ATLANTIC OCEAN
BAY OF BISCAY
MEDITERRANEAN SEA
BLACK SEA
CASPIAN SEA
RED SEA
PERSIAN GULF
GULF OF ADEN
GULF OF GUINEA
CORSICA
SARDINIA
BALEARIC IS.
SICILY
CRETE
CYPRUS
TYRRHENIAN SEA
ADRIATIC SEA
IONIAN SEA
Strait of Gibraltar
Algiers
Constantine
Tunis
Tangier (Neutral Ter.)
Tetuan
Oran
Rabat
Fez
MADEIRA IS.
MOROCCO
ALGERIA
Shatt Melrir
Shott Djerid
Gulf of Gabes
Tripoli
Gulf of Sidra
Port Said
Alexandria
Cairo
Suez Canal
Morocco
CANARY IS.
Sta. Cruz
Palmas
TRIPOLI (LIBIA)
LIBYAN DESERT
EGYPT
Wadi Ighorghar
Nile R.
RIO DE ORO
Villa Cisneros
C. Blanco
TROPIC OF CANCER
SAHARA
St. Louis
FRENCH WEST AFRICA
C. Verde
Dakar
Bathurst
Senegal R.
Gambia R.
Niger R.
Benue R.
Bissagos Is.
Bafana
Kano
Komadugu
Lake Chad
Bauchi
NIGERIA
Bida
Ilorin
Ibadan
Abbeokuta
Freetown
SIERRA LEONE
Monrovia
LIBERIA
IVORY COAST
GOLD COAST
Akkra
Porto Novo
Lome
Lagos
BIGHT OF BENIN
Volta R.
Binue R.
Shari R.
Bingerville
CAMEROON
Victoria
FERNANDO PO (Span.)
Bight of Biafra
St. Isabel
PRINCE IS. (Port.)
Batanga
Kongo R.
Ubangi R.
Albert Nyanza
L. Kioga
UGANDA
L. Rudolph
ANGLO EGYPTIAN SUDAN
Khartum
Asmara
Abyssinia
Addis Abeba
L. Tana
Blue Nile
White Nile
Sobat R.
Baro R.
Akobo R.
Pibor R.
Sobat R.
Gardafui
Obbo
Berbera
BRITISH SOMALILAND
ER. SOMALI-LAND
ITALIAN SOMALILAND
Mogdishu (Magadoxo)
Webi R.
Juba R.
L. Stephanie
L. Rudolph
Omo R.
Turkana L.
Mt. Margherita
Mt. Elgon
Albert Nyanza
Victoria Nile
Semliki R.
Lake Victoria
Nyanza
Kagera R.
Tanganyika
Lake Victoria
Nyanza
Kagera R.
Tanganyika
Makua R.
Kongo R.
Aruwimi R.
Albert Nyanza
L. Kioga
Victoria Nile
Semliki R.
Lake Victoria
Nyanza
Kagera R.
Tanganyika
Makua R.
Kongo R.
Aruwimi R.
Albert Nyanza
L. Kioga


VEGETATION MAP
OF
AFRICA
SCALE OF MILES
0 100 200 400 600 800
REFERENCE
Natural Vegetation
Alpine Flora
Temperate Forest
Evergreen Trees and Shrubs
Temperate Grasslands
Semi Desert
Desert
Oases and Nile Valley
Tropical Grasslands
Equatorial Forest
Swamp
Hammond's Vegetation Map of Africa
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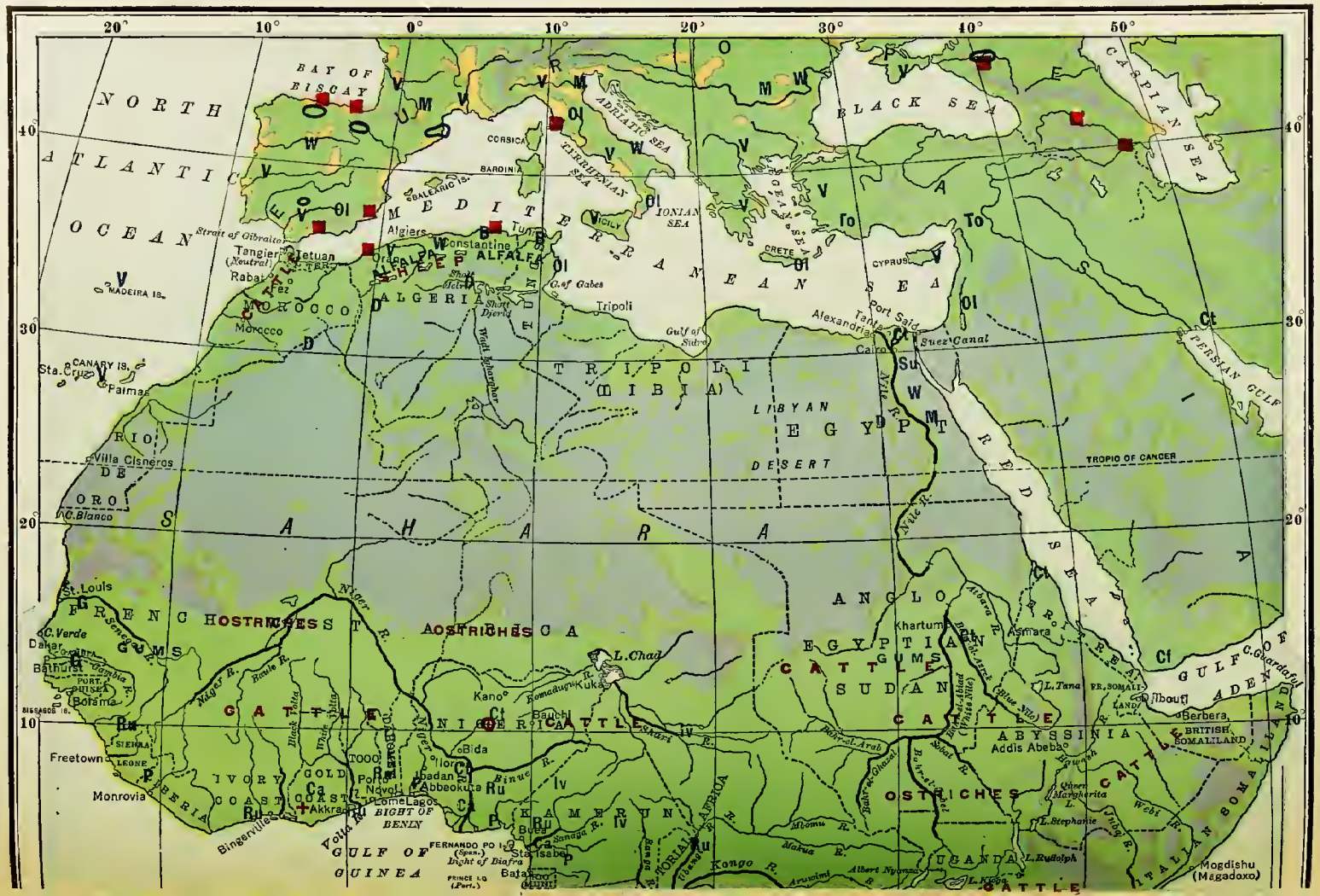
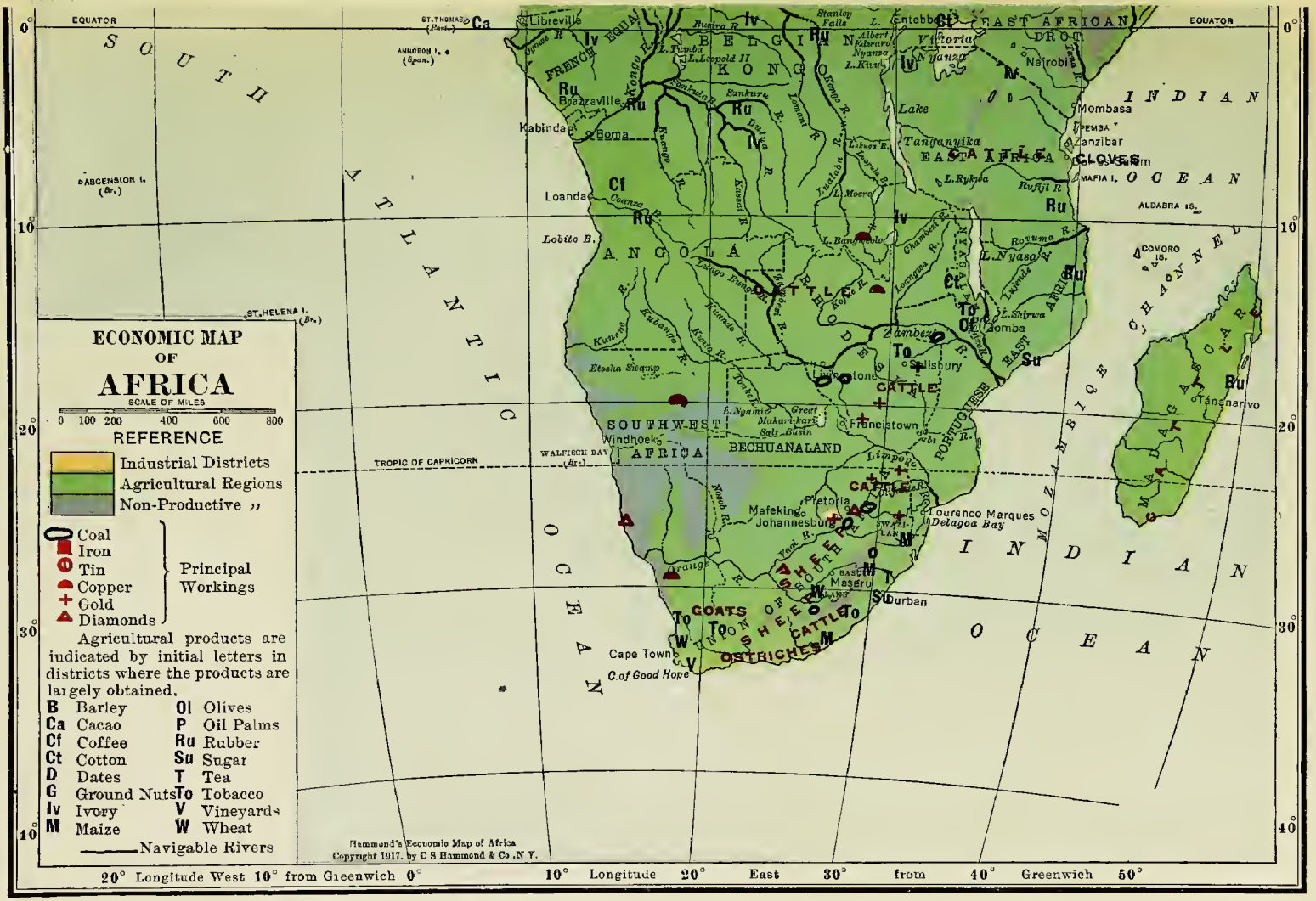
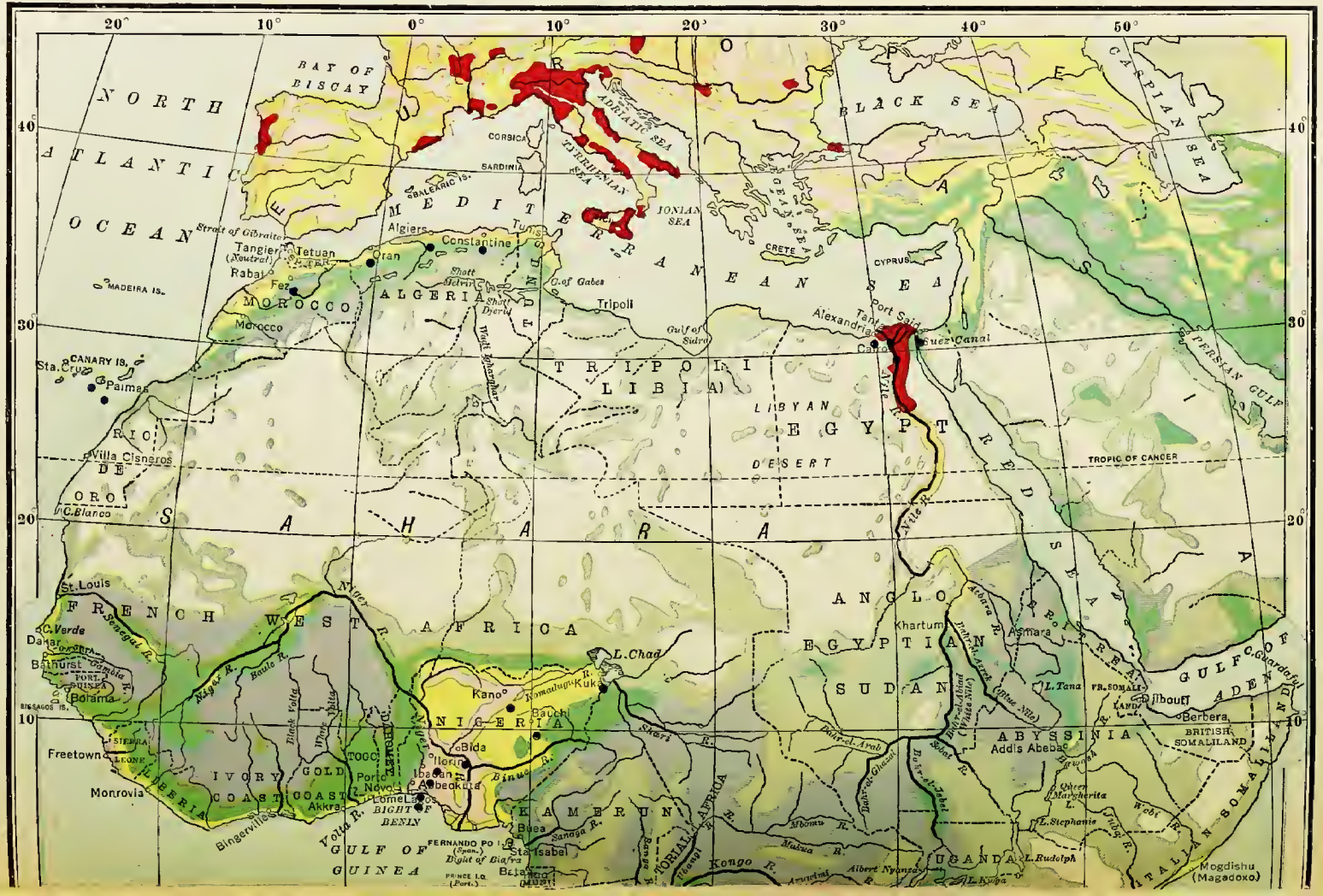
EQUATOR
ATLANTIC OCEAN
INDIAN OCEAN
BELGIAN CONGO
ANGOLA
SOUTHWEST AFRICA
BECHUANALAND
RHODESIA
EAST AFRICA
PORTUGUESE EAST AFRICA
UNION OF SOUTH AFRICA
MADAGASCAR
TROPIC OF CAPRICORN
Libreville
Brazzaville
Kabinda
Boma
Loanda
Lobito B.
Etosha Pan
Windhoek
Walfisch Bay
Francistown
Livingstone
Salisbury
Zambezi
Victoria
Nairobi
Mombasa
Pemba
Zanzibar
Dar es Salam
Lake Tanganyika
Lake Nyasa
Comoro Is.
Tananarivo
Mafeking
Johannesburg
Pretoria
Lourenco Marques
Delagoa Bay
Durban
Meseru
Cape Town
C of Good Hope
ASCENSION I. (Br.)
ST. HELENA I. (Br.)
ALDABRA IS.
20° Longitude West 10° from Greenwich 0° 10° Longitude 20° East 30° from 40° Greenwich 50°


20°
10°
0°
10°
20°
30°
40°
50°
NORTH ATLANTIC OCEAN
BAY OF BISCAY
Strait of Gibraltar
MADEIRA IS.
CANARY IS.
Sta. Cruz
Palmas
CORSICA
SARDINIA
BALEARIC IS.
MEDITERRANEAN SEA
ADRIATIC SEA
TYRRHENIAN SEA
IONIAN SEA
CRETE
CYPRUS
BLACK SEA
CASPIAN SEA
PERSIAN GULF
Algiers
Tunis
Tripoli
Constantine
Tangier (Neutral)
Tetuan
Rabat
Fez
MOROCCO
Morocco
ALGERIA
ALFALFA
ALFALFA SHEEP
Shott Melrhir
Shott Djerid
G. of Gabes
Gulf of Sidra
Port Said
Alexandria
Cairo
Suez Canal
TRIPOLI
(LIBIA)
LIBYAN DESERT
EGYPT
RED SEA
TROPIC OF CANCER
RIO DE ORO
Villa Cisneros
C. Blanco
SAHARA
Wadi Draa
Wadi Igharghar
Nile R.
St. Louis
Senegal R.
FRENCH HOSTRICHES
C. Verde
Dakar
Gambia R.
Bathurst
PORT. GUINEA
Bolama
Niger R.
OSTRICHES
Bida
Kano
Kuka
L. Chad
Bauchi
Romadugu R.
Benue R.
Shari R.
Bahr-el-Arab
Bahr-el-Ghazal
Bahr-el-Abiad (White Nile)
Bahr-el-Azrek (Blue Nile)
Atbara R.
Khartum
Asmara
ANGLO EGYPTIAN SUDAN
CATTLE
L. Tana
FR. SOMALI LAND
Djibouti
Berbera
BRITISH SOMALILAND
GULF OF ADEN
C. Guardafui
ABYSSINIA
Addis Abeba
Webi R.
Juba R.
Lower Margherita L.
L. Stephanie
Omo R.
Sobat R.
Baro R.
Akobo R.
Pibor R.
Gilo R.
Sueh R.
Momu R.
Mubira R.
Albert Nyanza
L. Rudolph
L. Kioga
UGANDA
Kongo R.
Aruwimi R.
Mogdishu (Magadoxo)
ITALIAN SOMALILAND
SIERRA LEONE
Freetown
Monrovia
Bingerville
IVORY COAST
GOLD COAST
Akkra
Lome
Lagos
BIGHT OF BENIN
Volta R.
Togo
Port Novo
Abbeokuta
Ibadan
Ilorin
Rinue R.
Ivory R.
Black Volta
Pain Volta
Bandama R.
Sassandra R.
Cavally R.
Liberia
KAMERUN
Buea
Victoria
Calabar
Benue R.
Mungo R.
Sanaga R.
FERNANDO PO I. (Span.)
Bight of Biafra
Sta. Isabel
PRINCE I. (Port.)
GULF OF GUINEA
MORIAL AFRICA
Tibesti
Ennedi
Tibesti Mts.
Ahaggar Mts.
Air Mts.
Tuareg
Hoggar
Tassili
Tademait
Tanezrouft
Tidikelt
Gourara
Touat
Tidikelt
Mzab
Ouargla
Biskra
Tebessa
Constantine
Algiers
Tunis
Tripoli
Gabes
Sfax
Kairouan
Gafsa
Tozeur
Nefta
Gafsa
Sousse
Monastir
Mahdia
Sfax
Gabes
Zarzis
Medenine
Tataouine
Ghadames
Nalut
Yefren
Gharian
Tarhuna
Misurata
Bani Walid
Sirte
Gulf of Sidra
Benghazi
Derna
Tobruk
Sollum
Siwa
Kufra
Jalo
Jarabub
Giarabub
Port Said
Alexandria
Cairo
Suez
Suez Canal
Ismailia
Fayum
Beni Suef
Minya
Asyut
Sohag
Qena
Luxor
Aswan
Abu Simbel
Wadi Halfa
Dongola
Abu Hamed
Berber
Shendi
Khartum
Omdurman
Kosti
Sennar
Singa
Gedaref
Kassala
Asmara
Massawa
Adua
Aksum
Gondar
Lake Tana
Blue Nile
Addis Abeba
Harar
Jijiga
Dire Dawa
Diredawa
Awash R.
Awash
Nazret
Asella
Lake Zwai
Lake Abaya
Lake Shala
Lake Margherita
Lake Stephanie
Lake Rudolph
Lake Kioga
Lake Albert
Lake Edward
Lake Kivu
Lake Tanganyika
Lake Nyasa
Lake Victoria
Lake Kyoga
Lake Albert Nyanza
Lake Rudolf
Lake Stephanie
Lake Margherita
Lake Tana
Lake Chad
Lake Faguibine
Lake Debo
Lake Horo
Lake Fagibine
Lake Tsana



20° Longitude West 10° from Greenwich 0° 10° Longitude 20° East 30° from 40° Greenwich 50°


20°
10°
0°
10°
20°
30°
40°
50°
40°
30°
20°
10°
NORTH ATLANTIC OCEAN
BAY OF BISCAY
MEDITERRANEAN SEA
BLACK SEA
CASPIAN SEA
RED SEA
PERSIAN GULF
GULF OF ADEN
GULF OF GUINEA
Strait of Gibraltar
Tangier (Neutral)
Tetuan
Rabat
Fez
MOROCCO
Morocco
MADEIRA IS.
CANARY IS.
Sta. Cruz
Palmas
Algiers
Constantine
Tunis
ALGERIA
Shott Melrir
Shott Djerid
G. of Gabes
Tripoli
TRIPOLI
LIBIA
Gulf of Sidra
Wadi Bahrbar
Port Said
Alexandria
Cairo
Suez Canal
Nile R.
LIBYAN DESERT
EGYPT
TROPIC OF CANCER
Villa Cisneros
RIO DE ORO
C. Blanco
SAHARA
CORSICA
SARDINIA
BALEARIC IS.
TYRRHENIAN SEA
ADRIATIC SEA
IONIAN SEA
CRETE
CYPRUS
St. Louis
FRENCH WEST AFRICA
C. Verde
Dakar
Bathurst
Senegal R.
Gambia R.
PORT. GUINEA
Bolama
BISSAGOS IS.
Niger R.
Benue R.
Kano
Kuka
L. Chad
Bauchi
NIGERIA
Bida
Ilorin
Ibadan
Abeokuta
Lagos
Porto Novo
Lome
BIGHT OF BENIN
Akkra
Freetown
SIERRA LEONE
Monrovia
LIBERIA
IVORY COAST
GOLD COAST
TOGO
Bingerville
Volta R.
Black Volta
White Volta
Ivory Volta
Buea
Sanaga R.
KAMERUN
FERNANDO PO (Span.)
Bight of Biafra
St. Isabel
Batanga
PRINCE I. (Port.)
GUINEA
Ogowe R.
FRENCH CONGO
Kongo R.
Mbomu R.
Mubusa R.
Albert Nyanza
L. Kyoga
UGANDA
L. Rudolph
ANGLO EGYPTIAN SUDAN
Khartum
Abbara R.
Blue Nile R.
White Nile R.
Asmara
L. Tana
FR. SOMALI LAND
Djibouti
Berbera
BRITISH SOMALILAND
ABYSSINIA
Addis Abeba
Sobat R.
Baro R.
Omo R.
Webi R.
Juba R.
ITALIAN SOMALILAND
Mogdishu (Magadoxo)
Shari R.
Bahr-el-Arab
Bahr-el-Ghazal
Bahr-el-Abiad (White Nile)
Bahr-el-Zeraf
Bahr-el-Zebir
Queen Margherita L.
L. Stephanie
L. Abaya
L. Zwai
L. Hawash
L. Rudolph

POPULATION MAP
OF
AFRICA
SCALE OF MILES
0 100 200 400 600 800
REFERENCE
Density of Population to the square mile.
Under 1 inhabitant
1-8 inhabitants
8-16 ,,
16-32 ,,
32-64 ,,
64-128 ,,
128-256 ,,
over 256 ,,
Towns with over 50,000 inhabitants.
Hammond's Population Map of Africa
Copyright 1917, by C.S.Hammond & Co., N.Y.
EQUATOR
TROPIC OF CAPRICORN
ATLANTIC OCEAN
INDIAN OCEAN
SOUTH ATLANTIC OCEAN
ASCENSION I. (Br.)
ST. HELENA I. (Br.)
ST. THOMAS (Port.)
ANNOBON I. (Span.)
WALFISCH BAY (Br.)
FRENCH EQUATORIAL AFRICA
BELGIAN KONGO
ANGOLA
RHODESIA
SOUTHWEST AFRICA
BECHUANALAND
PORTUGUESE EAST AFRICA
BRITISH EAST AFRICA PROT.
EAST AFRICA
UNION OF SOUTH AFRICA
BASUTO
SWAZILAND
MADAGASCAR
COMORO IS.
ALDABRA IS.
MAFIA I.
PEMBA
Libreville
Brazzaville
Kabinda
Boma
Loanda
Lobito B.
Elisabethville
Albertville
Stanley Falls
Entebbe
Victoria Nyanza
Nairobi
Mombasa
Zanzibar
Dar es Salam
Lake Tanganyika
L. Rukwa
L. Moero
L. Bangweolo
L. Nyasa
Zomba
Zambezi
Salisbury
Livingstone
Etosha Swamp
Windhoek
Francistown
Mafeking
Pretoria
Johannesburg
Lourenco Marques
Delagoa Bay
Maseru
Durban
Cape Town
C of Good Hope
Tananarivo
Congo R.
Kasai R.
Kwango R.
Kwilu R.
Lukuga R.
Luapula R.
Luangwa R.
Shire R.
Rovuma R.
Zambezi R.
Kunene R.
Okavango R.
Kuando R.
Kafue R.
Limpopo R.
Orange R.
Vaal R.
Tugela R.
Umzimvubi R.
Sabi R.
Buluwayo
Lupata Gorge
Victoria Falls
Kariba Gorge
Great Makarikari Salt Basin
L. Ngami
L. Shirwa
L. Kivu
L. Tumba
L. Leopold II
Rudjiwa R.
Ubangi R.
Sankuru R.
Lomami R.
Lulua R.
Kasai R.
Kwango R.
Kwilu R.
Inkisi R.
Kuilu R.
Ogowe R.
Ruki R.
Congo R.
Luapula R.
Luvua R.
Luena R.
Luembe

* Mandatories to be determined by Peace Conference

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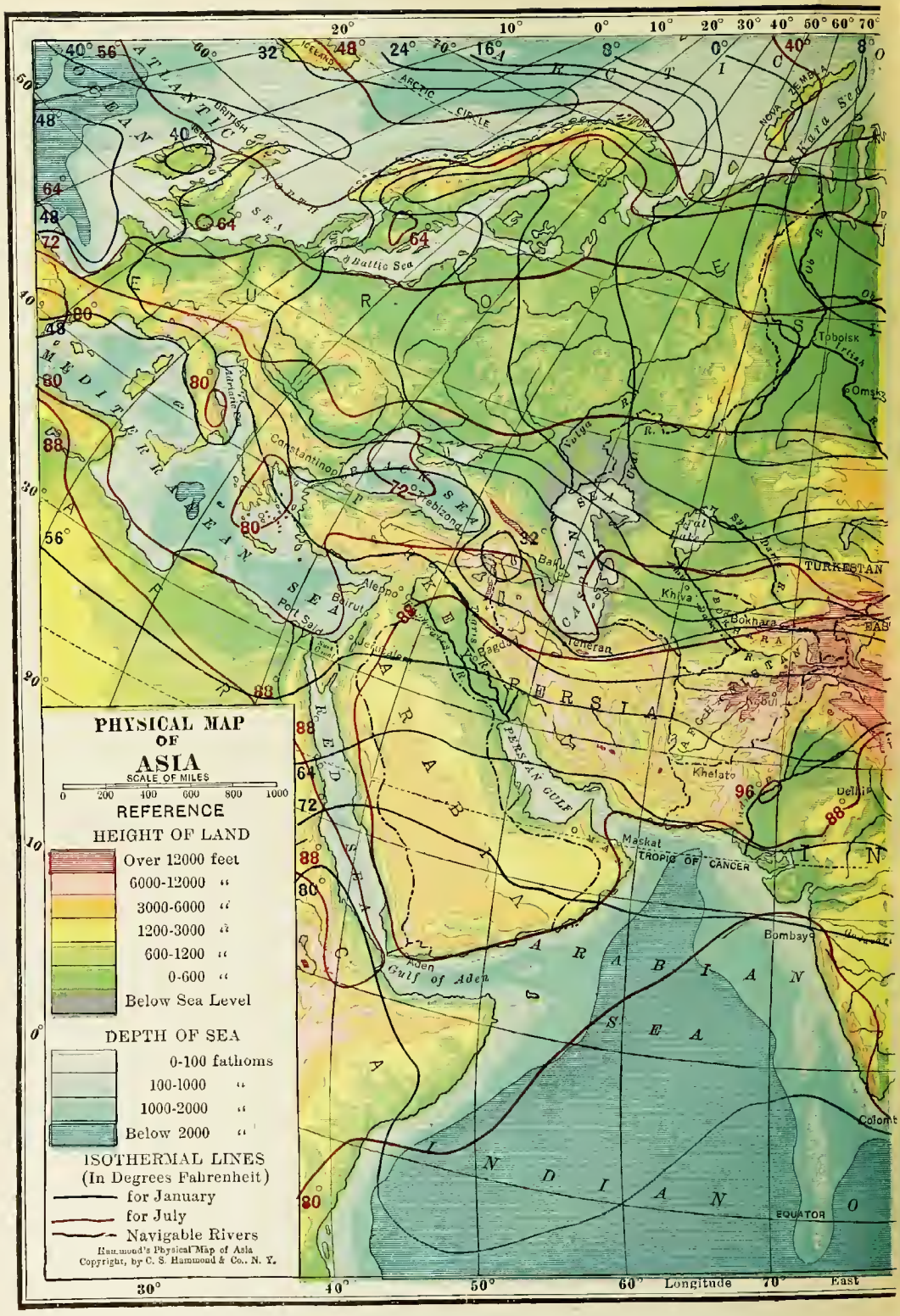
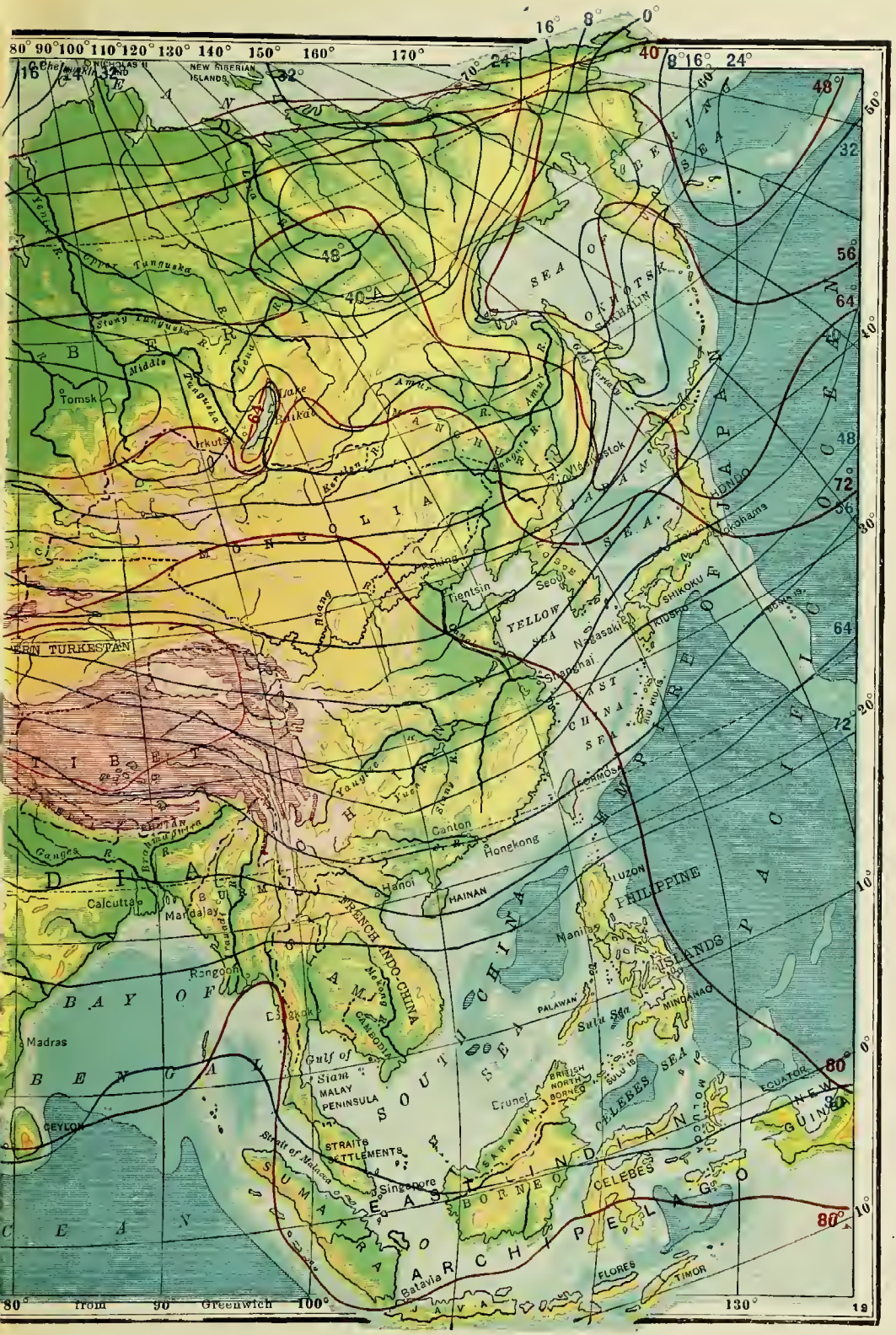
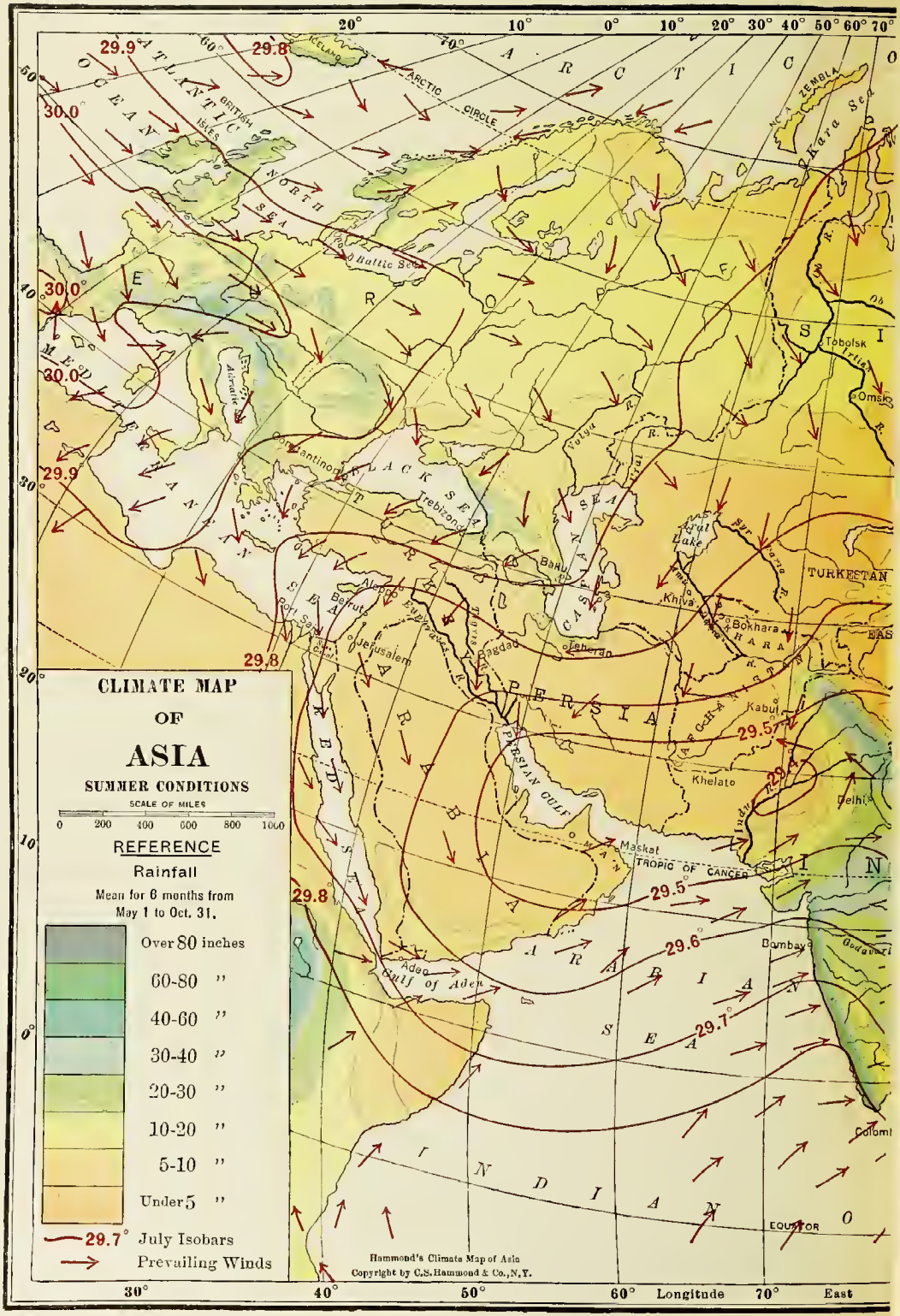
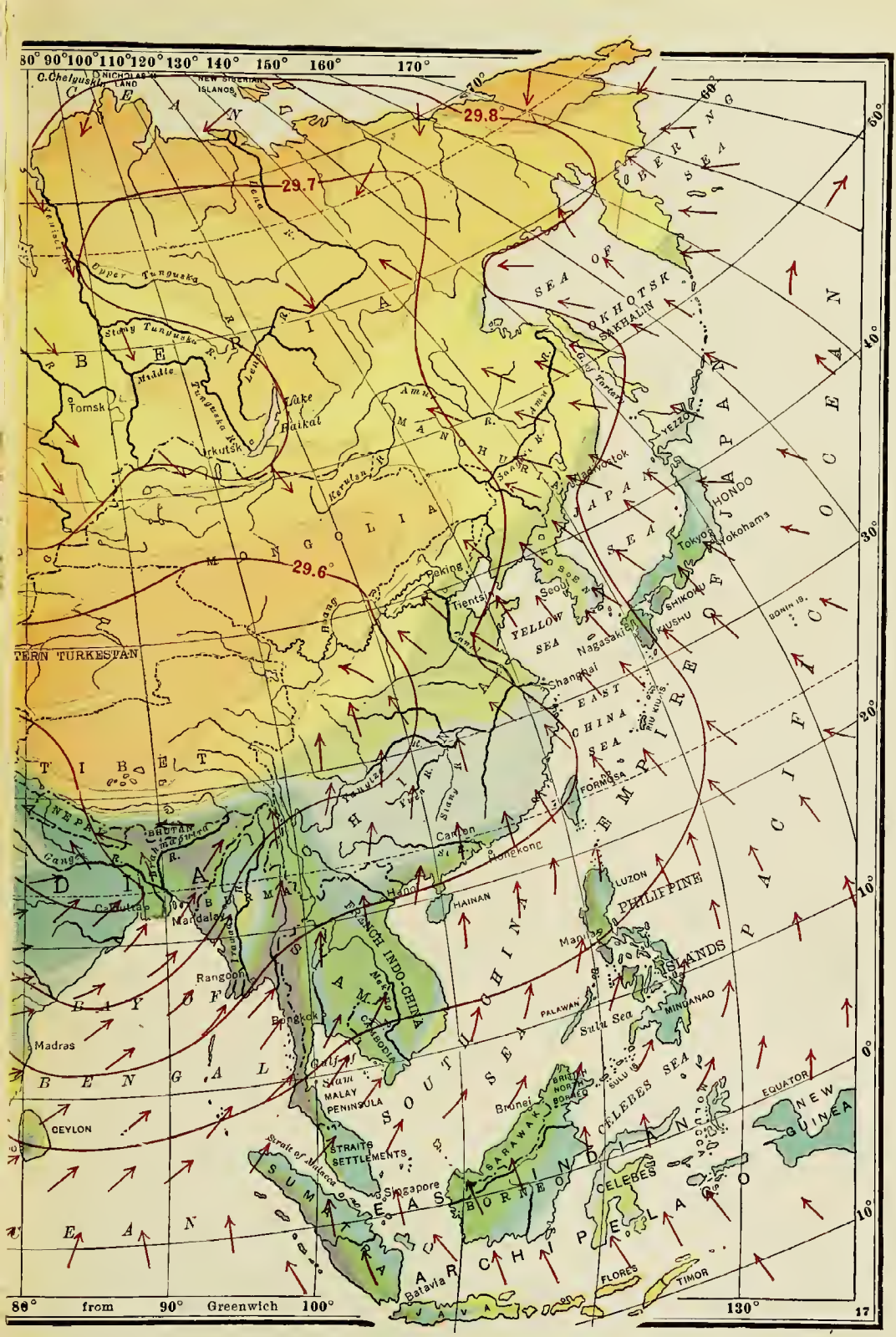
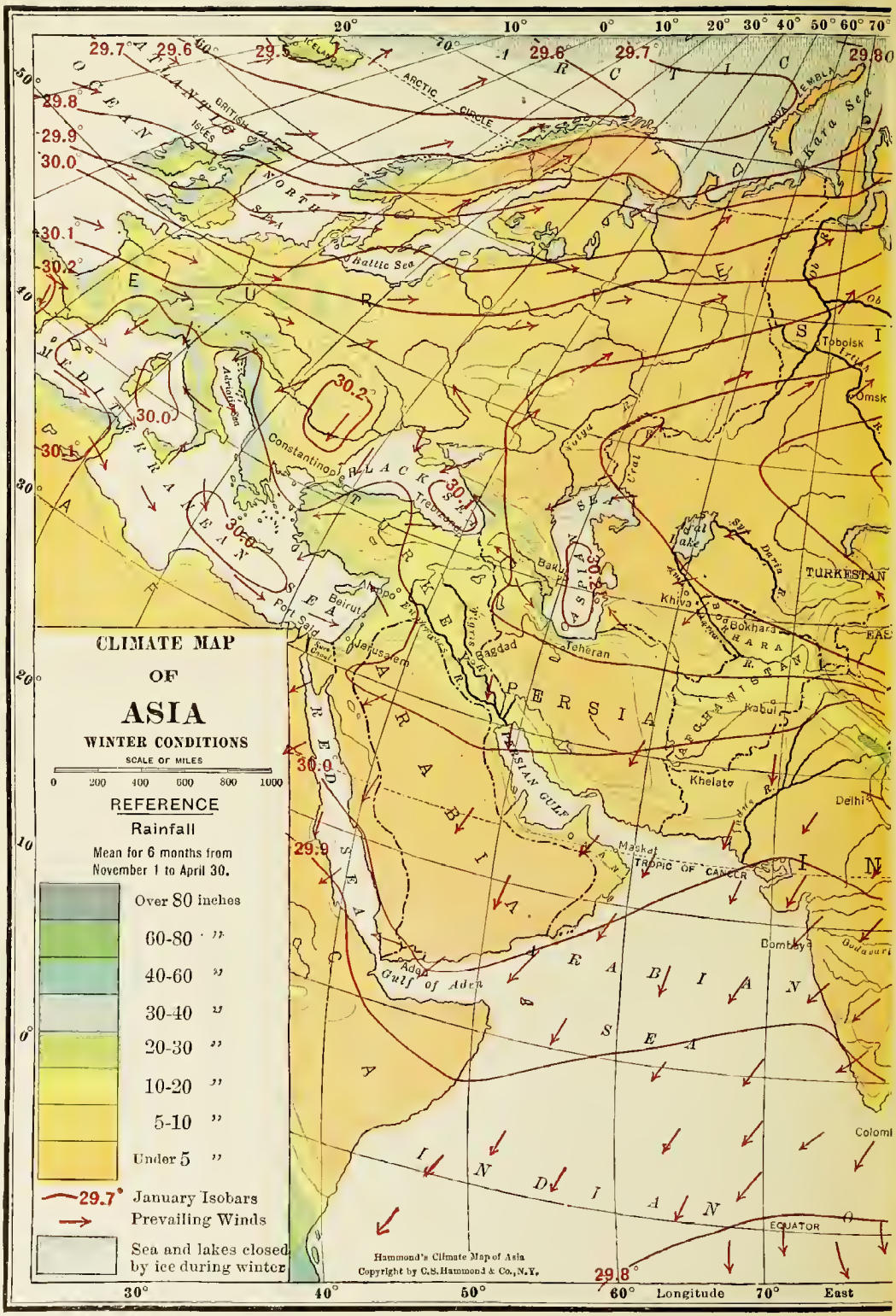

PHYSICAL MAP OF ASIA
SCALE OF MILES
0 200 400 600 800 1000
REFERENCE
HEIGHT OF LAND
Over 12000 feet
6000-12000 "
3000-6000 "
1200-3000 "
600-1200 "
0-600 "
Below Sea Level
DEPTH OF SEA
0-100 fathoms
100-1000 "
1000-2000 "
Below 2000 "
ISOTHERMAL LINES
(In Degrees Fahrenheit)
for January
for July
Navigable Rivers
Hammond's Physical Map of Asia
Copyright, by C. S. Hammond & Co., N. Y.
ATLANTIC OCEAN
EUROPE
ASIA
MEDITERRANEAN SEA
RED SEA
ARABIA
PERSIA
TURKESTAN
INDIA
INDIAN OCEAN
ARCTIC OCEAN
Iceland
British Isles
North Sea
Baltic Sea
Arctic Circle
Nova Zembla
Kara Sea
Obi R.
Tobolsk
Omsk
Irtish R.
Volga R.
Caspian Sea
Aral Sea
Jaxartes R.
Black Sea
Constantinople
Trebizond
Baku
Khiva
Bokhara
Oxus R.
Teheran
Aleppo
Beirut
Port Said
Jerusalem
Dead Sea
Jordan R.
Nile R.
Cairo
Persian Gulf
Euphrates R.
Tigris R.
Kabul
Khelat
Delhi
Maskat
TROPIC OF CANCER
Bombay
Aden
Gulf of Aden
Colombo
EQUATOR
Longitude East
30° 40° 50° 60° 70°

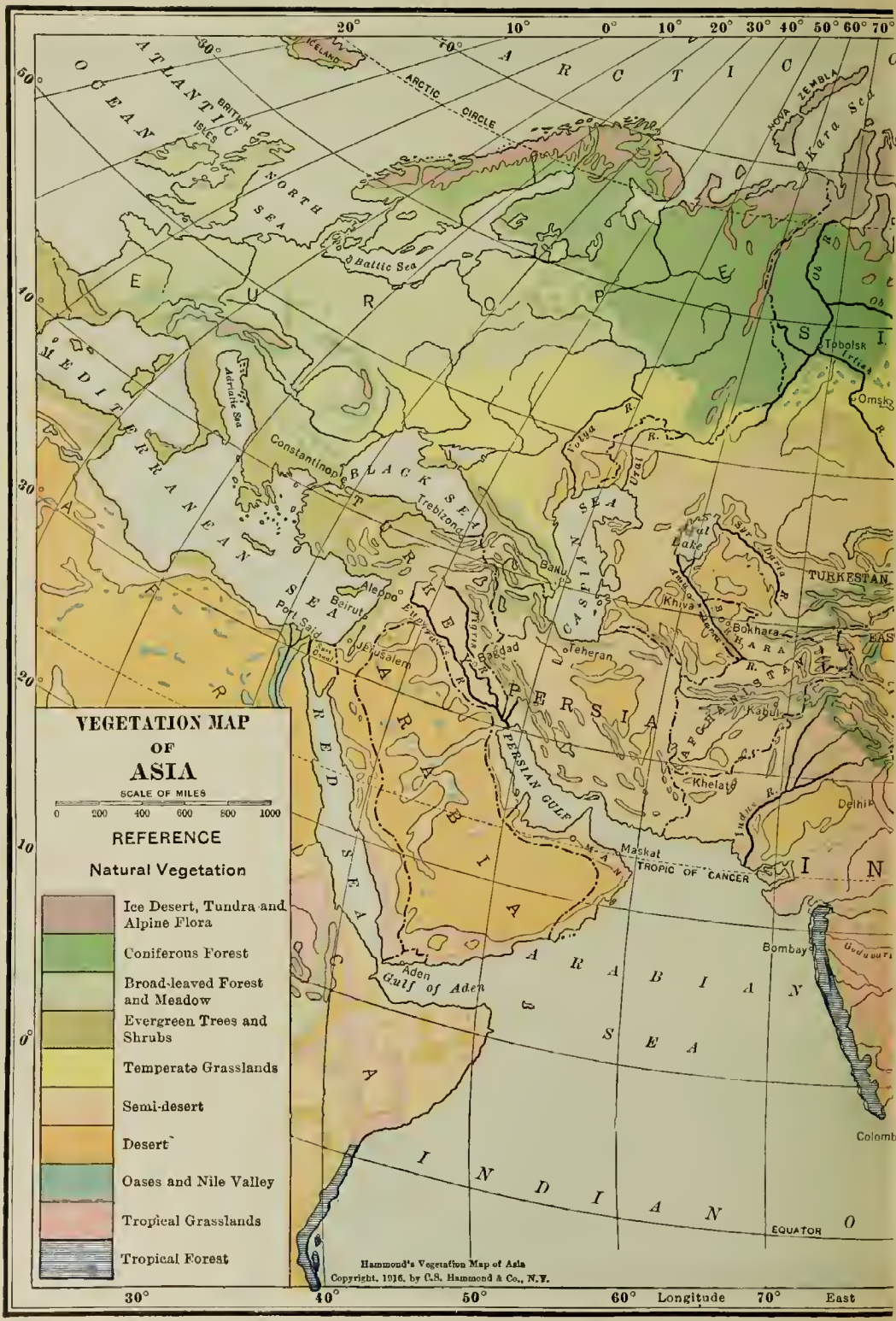

80° 90° 100° 110° 120° 130° 140° 150° 160° 170°
16° 8° 0°
8° 16° 24°
NEW SIBERIAN ISLANDS
ARCTIC OCEAN
SEA OF OKHOTSK
SAKHALIN
KAMCHATKA
BERING SEA
ALEUTIAN ISLANDS
Tomsk
Irkutsk
Lake Baikal
Yenisei R.
Lower Tunguska
Stony Tunguska R.
Middle Tunguska
Lower Tunguska
Amur R.
Vladivostok
HONDO
Yokohama
Nagasaki
KYUSHU
SHIKOKU
Osaka
Tientsin
Peking
Seoul
YELLOW SEA
Shanghai
EAST CHINA SEA
Yangtse R.
Yuen R.
Canton
Hongkong
Hanoi
HAINAN
Luzon
PHILIPPINE ISLANDS
Manila
Mindanao
Palawan
Sulu Sea
Sulu Is.
Celebes Sea
Equator
NEW GUINEA
Calcutta
Mandalay
Irrawaddy R.
Rangoon
Ganges R.
Brahmaputra R.
Mekong R.
Cambodia
FRENCH INDO-CHINA
Gulf of Siam
MALAY PENINSULA
Siam
Madras
CEYLON
BAY OF BENGAL
Brunei
BRITISH NORTH BORNEO
SARAWAK
BORNEO
CELEBES
Gr. SUNDA ISLANDS
Strait of Malacca
STRAITS SETTLEMENTS
Singapore
SUMATRA
Batavia
JAVA
FLORES
TIMOR
INDIAN OCEAN
TIBET
CHINA
MONGOLIA
EASTERN TURKESTAN
Altai Mts.
Thian Shan Mts.
Himalaya Mts.
Karakoram Mts.
Kuen Lun Mts.
Nan Shan Mts.
Yablonoi Mts.
Stanovoi Mts.
Sikhote Alin Mts.
Khingan Mts.
Yoma Mts.
Arakan Yoma
Annam Mts.
Tenasserim Mts.
Malay Mts.
Sumatra Mts.
Java Mts.
Celebes Mts.
Philippine Mts.
Luzon Mts.
Mindanao Mts.
Timor Mts.
New Guinea Mts.
Owen Stanley Mts.
Arfak Mts.
Snow Mts.
Bismarck Mts.
Solomon Is.
New Britain
New Ireland
Admiralty Is.
Caroline Is.
Marshall Is.
Gilbert Is.
Ellice Is.
Fiji Is.
Samoa Is.
Tonga Is.
Society Is.
Marquesas Is.
Tuamotu Is.
Low Archipelago
Hawaiian Is.
Midway Is.
Wake I.
Guam
Ladrone Is.
Pelew Is.
Yap
Palau Is.
Mariana Is.
Volcano Is.
Bonin Is.
Kurile Is.
Commander Is.
Aleutian Is.
Pribilof Is.
Nicholas II Land
Severnaya Zemlya
Taimyr Peninsula
Kara Sea
Novaya Zemlya
Barents Sea
White Sea
Kola Peninsula
Scandinavia
Iceland
Greenland
Baffin Land
Hudson Bay
Labrador
Newfoundland
Nova Scotia
Prince Edward I.
New Brunswick
Quebec
Ontario
Manitoba
Saskatchewan
Alberta
British Columbia
Yukon
Mackenzie
Alaska
Aleutian Is.
Bering Sea
Bering Strait
Chukchi Sea
Beaufort Sea
Arctic Ocean
Greenland Sea
Norwegian Sea
North Sea
Baltic Sea
Gulf of Bothnia
Gulf of Finland
Gulf of Riga
Gulf of Bothnia
Black Sea
Caspian Sea
Aral Sea
Lake Baikal
Lake Ladoga
Lake Onega
Lake Peipus
Lake Ilmen
Lake Chudskoe
Lake Winnipeg
Lake Manitoba
Lake Athabasca
Great Bear Lake
Great Slave Lake
Lake Superior
Lake Michigan
Lake Huron
Lake Erie
Lake Ontario
Lake Nipigon
Lake Nipissing
Lake Simcoe
Lake Champlain
Lake George
Lake Winnipesaukee
Lake Memphremagog
Lake Temiskaming
Lake Abitibi
Lake Mistassini
Lake Nipigon
Lake Nipissing
Lake Simcoe
Lake Champlain
Lake George
Lake Winnipesaukee
Lake Memphremagog
Lake Temiskaming
Lake Abitibi
Lake Mistassini
80° from 90° Greenwich 100°
130°
19


CLIMATE MAP
OF
ASIA
SUMMER CONDITIONS
SCALE OF MILES
0 200 400 600 800 1000
REFERENCE
Rainfall
Mean for 6 months from May 1 to Oct. 31.
Over 80 inches
60-80 "
40-60 "
30-40 "
20-30 "
10-20 "
5-10 "
Under 5 "
29.7° July Isobars
Prevailing Winds
Hammond's Climate Map of Asia
Copyright by C.S. Hammond & Co., N.Y.
ATLANTIC OCEAN
ARCTIC OCEAN
INDIAN OCEAN
PERSIA
ARABIA
INDIA
TURKESTAN
BLACK SEA
CASPIAN SEA
ARAL SEA
RED SEA
PERSIAN GULF
Tobolsk
Omsk
Khiva
Bokhara
Kabul
Khelat
Delhi
Bombay
Calcutta
Muscat
Aden
Gulf of Aden
Trebizond
Baku
Bagdad
Tehran
Beirut
Jerusalem
Port Said
Suez
Constantinople
TROPIC OF CANCER
EQUATOR
Longitude
East
29.9
29.8
30.0
30.0
30.0
29.9
29.8
29.5
29.4
29.8
29.5
29.6
29.7°

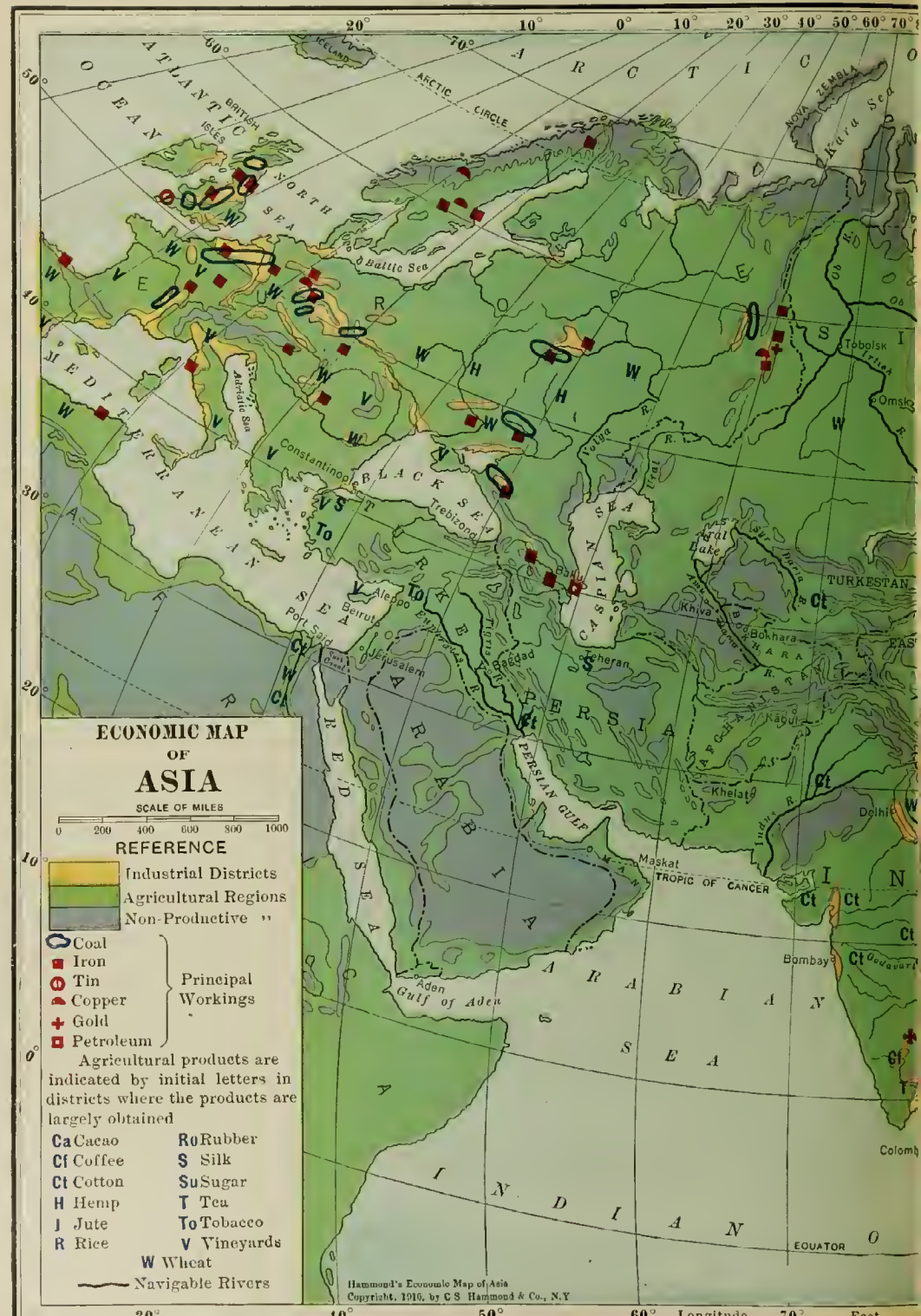

80° 90° 100° 110° 120° 130° 140° 150° 160° 170°
C. Chelyuskin
NICHOLAS II LAND
NEW SIBERIAN ISLANDS
29.8°
29.7°
29.6°
Lena R.
Upper Tunguska
Stony Tunguska R.
Middle Tunguska R.
Lower Tunguska R.
Tomsk
Lake Baikal
Irkutsk
Amur R.
Kerulen R.
Peking
Tientsi
Seoul
Hoang Ho R.
Yangtse Kiang R.
Shanghai
Nagasaki
Tokyo
Yokohama
Vladivostok
Yezo
HONDO
SHIKOKU
KYUSHU
BONIN IS.
SEA OF OKHOTSK
SAKHALIN
Gulf of Tartary
SEA OF JAPAN
YELLOW SEA
EAST CHINA SEA
FORMOSA
Hongkong
Canton
Hanoi
HAINAN
LUZON
PHILIPPINE ISLANDS
Manila
PALAWAN
Sulu Sea
MINDANAO
CELEBES SEA
EQUATOR
NEW GUINEA
Mandalay
Rangoon
Bangkok
Gulf of Siam
FRENCH INDO-CHINA
Mekong R.
CAMBODIA
Madras
CEYLON
MALAY PENINSULA
STRAITS SETTLEMENTS
Strait of Malacca
Singapore
Brunei
BRITISH NORTH BORNEO
SARAWAK
BORNEO
CELEBES
FLORES
TIMOR
Batavia
JAVA
SUMATRA
Andaman Is.
TIBET
NEPAL
BHUTAN
Kangchenjunga
Tsangpo R.
Brahmaputra R.
Irrawaddy R.
Salween R.
Mekong R.
Yangtse Kiang R.
Hoang Ho R.
Kerulen R.
Amur R.
Lena R.
Yenisei R.
Ob R.
Irtish R.
MONGOLIA
MANCHURIA
EASTERN TURKESTAN
BENGAL
ARABIAN SEA
INDIAN OCEAN
PACIFIC OCEAN
60°
50°
40°
30°
20°
10°
0°
10°
80° from Greenwich 100°
130°
17


CLIMATE MAP
OF
ASIA
WINTER CONDITIONS
SCALE OF MILES
0 200 400 600 800 1000
REFERENCE
Rainfall
Mean for 6 months from November 1 to April 30.
Over 80 inches
60-80 "
40-60 "
30-40 "
20-30 "
10-20 "
5-10 "
Under 5 "
29.7° January Isobars
Prevailing Winds
Sea and lakes closed by ice during winter
Hammond's Climate Map of Asia
Copyright by C.S. Hammond & Co., N.Y.
Longitude
East
ARCTIC CIRCLE
TROPIC OF CANCER
EQUATOR
Caspian Sea
Aral Lake
Baikal Lake
Black Sea
Red Sea
Persian Gulf
Gulf of Aden
Constantinople
Jerusalem
Baghdad
Teheran
Bokhara
Khiva
Kabul
Khelat
Delhi
Bombay
Colombo
Omsk
Tobolsk
Port Said
Beirut
Aleppo
Trebizond
Baku
TURKESTAN
PERSIA
ARABIA
INDIA
ARABIAN SEA
INDIAN OCEAN
ATLANTIC OCEAN
EUROPE
ASIA
MEDITERRANEAN SEA
NORTH SEA
BRITISH ISLES
ICELAND
NOVA ZEMBLA
Kara Sea
Baltic Sea
Adriatic Sea
29.7° 29.6° 29.5° 29.6° 29.7° 29.8° 29.8° 29.9° 30.0° 30.1° 30.2° 30.2° 30.0° 30.1° 30.1° 30.2° 30.6° 30.0° 29.9° 29.8°

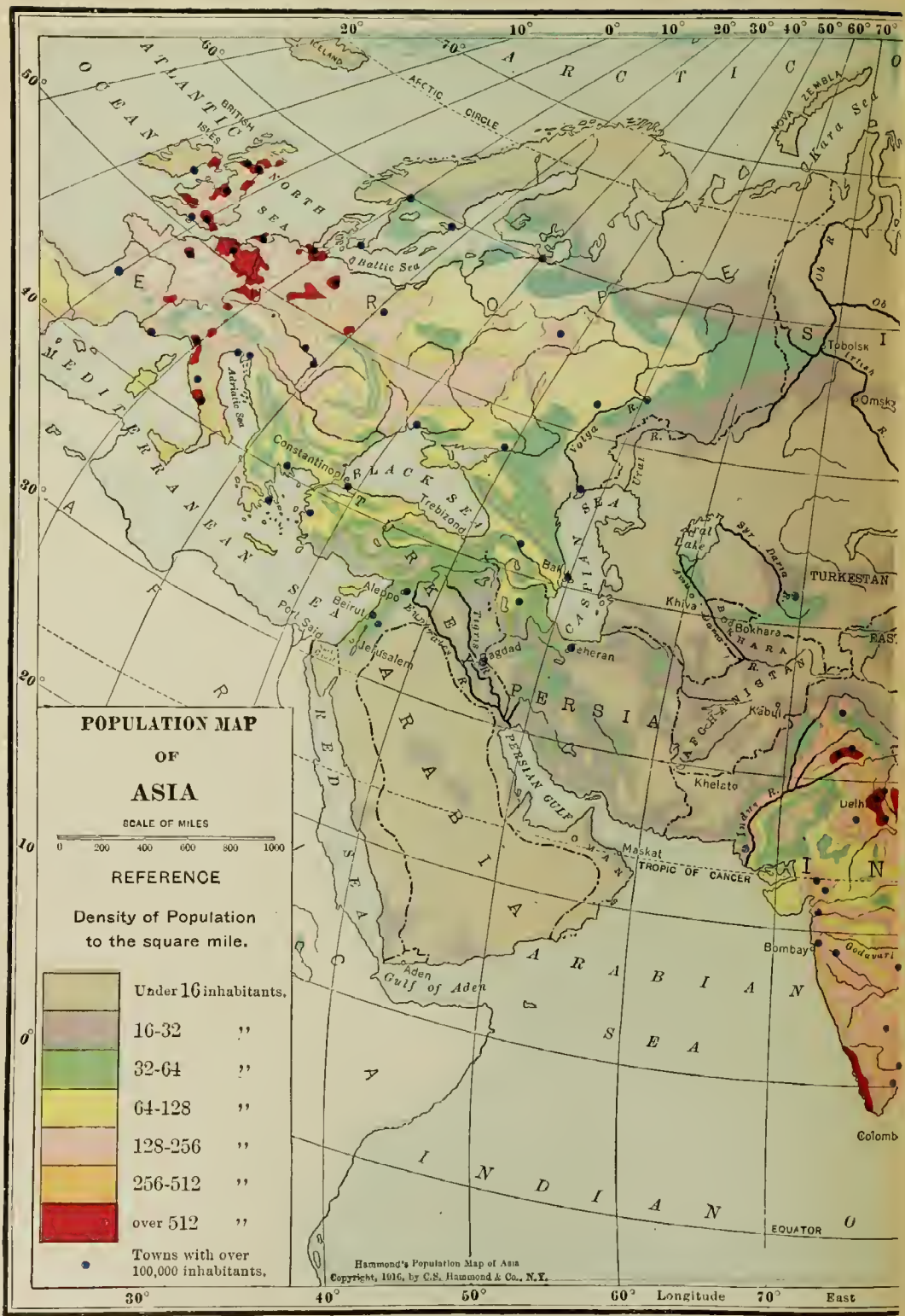
80° 90° 100° 110° 120° 130° 140° 150° 160° 170°
C. Chelyuskin
NEW SIBERIAN ISLANDS
ARCTIC OCEAN
BERING SEA
SEA OF OKHOTSK
SAKHALIN
KAMCHATKA PENINSULA
Lena R.
Upper Tunguska
Stony Tunguska
Middle Tunguska R.
Tomsk
Irkutsk
Lake Baikal
Amur R.
Zeya R.
Khingan Mts.
Vladivostok
YEZO
HONDO
Tokyo
Yokohama
Peking
Tientsin
Seoul
YELLOW SEA
Nagasaki
KIUSHU
SHIKOKU
BONIN IS.
Shanghai
EAST CHINA SEA
Yangtze R.
Tuen R.
Siang R.
Canton R.
Hongkong
FORMOSA
LUZON
PHILIPPINE ISLANDS
Manila
MINDANAO
Sulu Sea
PALAWAN
HAINAN
Hanoi
FRENCH INDO-CHINA
Mekong R.
Cambodia
Bangkok
Gulf of Siam
MALAY PENINSULA
STRAITS SETTLEMENTS
Singapore
Straits of Malacca
SUMATRA
BORNEO
Brunei
BRITISH NORTH BORNEO
SARAWAK
CELEBES
CELEBES SEA
Sulu Is.
EQUATOR
NEW GUINEA
BAY OF BENGAL
Madras
CEYLON
Rangoon
Irrawaddy R.
Mandalay
Calcutta
Ganges R.
Brahmaputra R.
BHUTAN
NEPAL
Himalaya Mts.
INDIA
CENTRAL PLATEAU
WESTERN TURKESTAN
MONGOLIA
Kerulen R.
Baikal Mts.
Yablonoi Mts.
Stanovoi Mts.
Gobi Desert
Hwang R.
Wei R.
Yangtze R.
Tuen R.
Siang R.
Canton R.
Mekong R.
Irrawaddy R.
Ganges R.
Brahmaputra R.
Lena R.
Amur R.
Zeya R.
Khingan Mts.
Baikal Mts.
Yablonoi Mts.
Stanovoi Mts.
Gobi Desert
Kerulen R.


VEGETATION MAP
OF
ASIA
SCALE OF MILES
0 200 400 600 800 1000
REFERENCE
Natural Vegetation
Ice Desert, Tundra and Alpine Flora
Coniferous Forest
Broad-leaved Forest and Meadow
Evergreen Trees and Shrubs
Temperate Grasslands
Semi-desert
Desert
Oases and Nile Valley
Tropical Grasslands
Tropical Forest
Hammond's Vegetation Map of Asia
Copyright, 1916, by C.S. Hammond & Co., N.Y.
ATLANTIC OCEAN
ARCTIC OCEAN
ARCTIC CIRCLE
EUROPE
ASIA
INDIA
ARABIA
PERSIA
TURKESTAN
MEDITERRANEAN SEA
BLACK SEA
CASPIAN SEA
ARAL SEA
RED SEA
PERSIAN GULF
Gulf of Aden
ARABIAN SEA
INDIAN OCEAN
BRITISH ISLES
NORTH SEA
Baltic Sea
Adriatic Sea
Constantinople
Trebizond
Aleppo
Beirut
Port Said
Suez Canal
Jerusalem
Euphrates R.
Tigris R.
Baghdad
Teheran
Baku
Volga R.
Ural R.
Aral Lake
Syr Darya R.
Amu Darya R.
Khiva
Bokhara
Kabul
Khelat
Muskat
Aden
Bombay
Delhi
Indus R.
Ob R.
Tobolsk
Irtish R.
Omsk
Nova Zembla
Kara Sea
TROPIC OF CANCER
EQUATOR
20° 10° 0° 10° 20° 30° 40° 50° 60° 70°
50° 40° 30° 20° 10° 0°
30° 40° 50° 60° Longitude 70° East

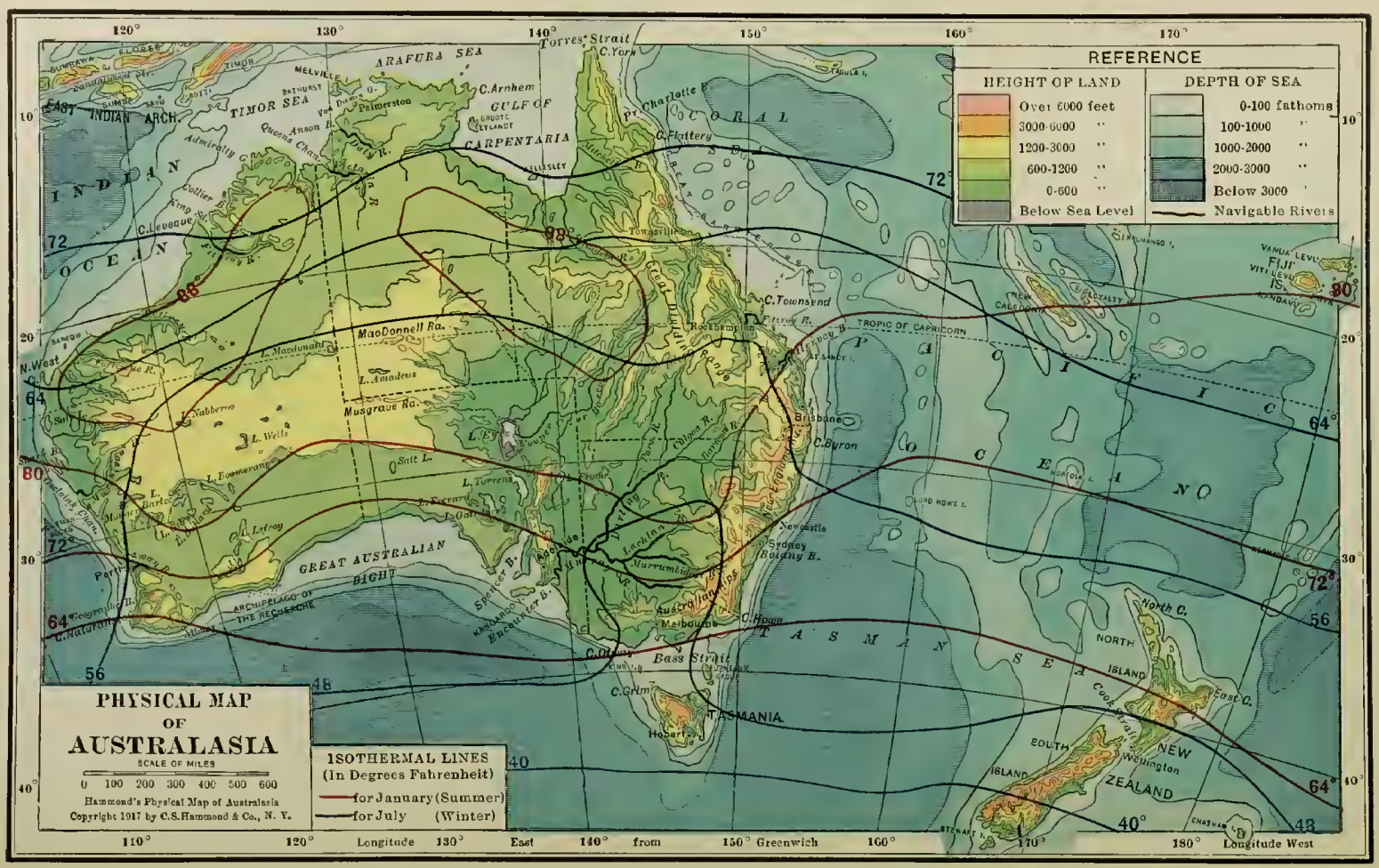
80° 90° 100° 110° 120° 130° 140° 150° 160° 170°
C. Chelyuskin
NICHOLAS II LAND
NEW SIBERIAN ISLANDS
ARCTIC OCEAN
BERING SEA
SEA OF OKHOTSK
SAKHALIN
Lena R.
Yenisei R.
Upper Tunguska R.
Stony Tunguska R.
Middle Tunguska R.
Lena R.
Tomsk
Lake Baikal
Irkutsk
Amur R.
Amur R.
Sungari R.
Vladivostok
Kerulen R.
MONGOLIA
MANCHURIA
JAPAN
VEZZO
HONDO
Tokyo
Yokohama
SEA OF JAPAN
Peking
Tientsin
Seoul
KOREA
Hoang R.
Grand Canal
YELLOW SEA
Nagasaki
SHIKOKU
KIUSHU
BONIN IS.
PACIFIC OCEAN
EASTERN TURKESTAN
Shanghai
EAST CHINA SEA
RIU KIU IS.
TIBET
YANGTZE VALLEY
Yangtze R.
Yuen R.
Sikang
FORMOSA
EMPIRE OF
NEPAL
Bhutan
Gangetic Plain
Ganges R.
Hongkong
Canton
LUZON
PHILIPPINE ISLANDS
Hanoi
HAINAN
Calcutta
Mandalay
FRENCH INDO-CHINA
Manila
Rangoon
Menam R.
BAY OF BENGAL
Bangkok
Gulf of Siam
MALAY PENINSULA
SOUTH CHINA SEA
PALAWAN
Sulu Sea
MINDANAO
Madras
BRITISH NORTH BORNEO
Brunei
Sulu Is.
CELEBES SEA
EQUATOR
NEW GUINEA
CEYLON
BRITISH SETTLEMENTS
Singapore
Strait of Malacca
SUMATRA
CELEBES
GILOLO
INDIAN OCEAN
ARCHIPELAGO
Batavia
FLORES
TIMOR
80° from 90° Greenwich 100° 130°

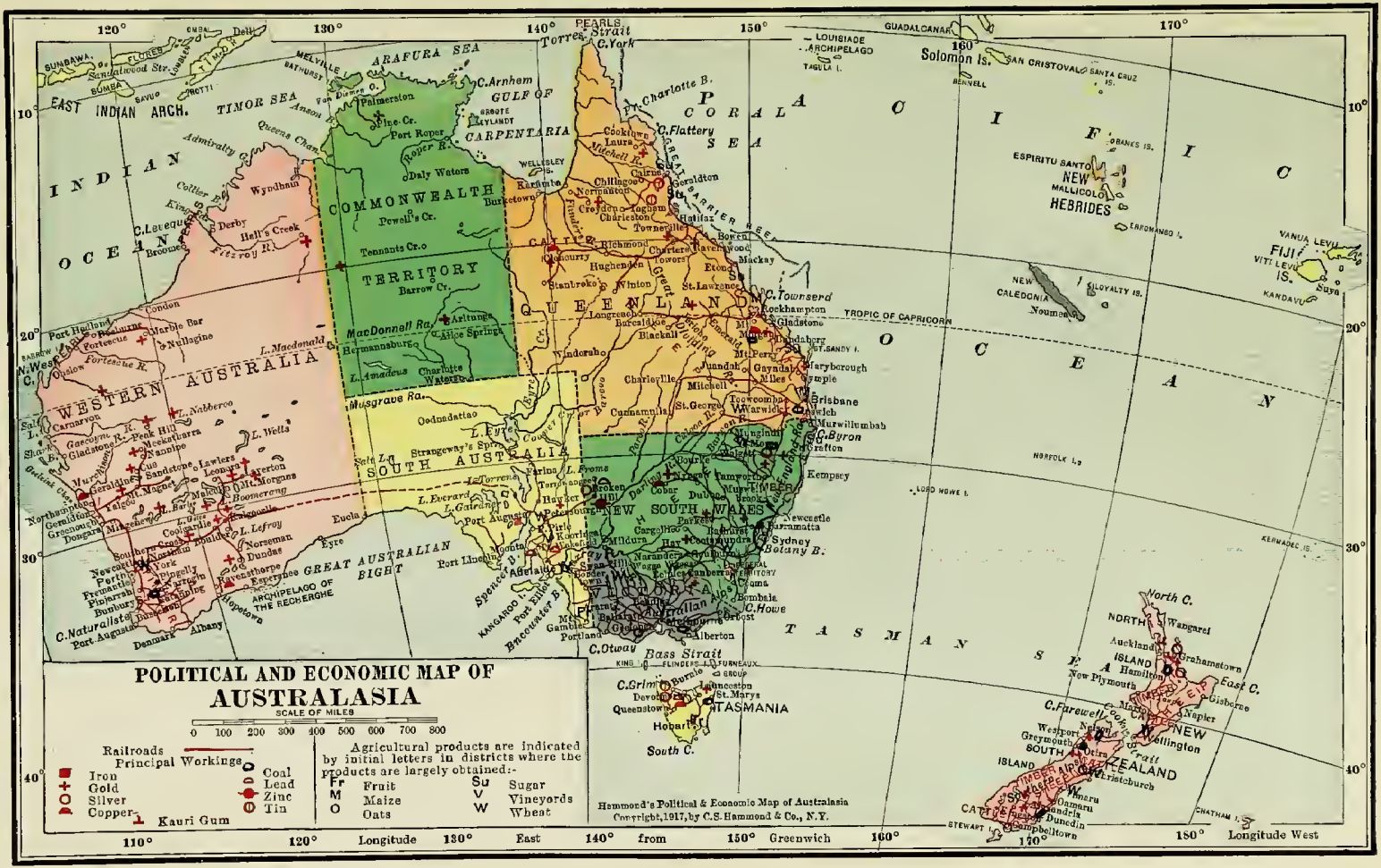

ECONOMIC MAP
OF
ASIA
SCALE OF MILES
0 200 400 600 800 1000
REFERENCE
Industrial Districts
Agricultural Regions
Non-Productive "
Coal
Iron
Tin
Copper
Gold
Petroleum
Principal Workings
Agricultural products are indicated by initial letters in districts where the products are largely obtained
Ca Cacao
Cf Coffee
Ct Cotton
H Hemp
J Jute
R Rice
Ro Rubber
S Silk
Su Sugar
T Tea
To Tobacco
V Vineyards
W Wheat
Navigable Rivers
Hammond's Economic Map of Asia
Copyright, 1916, by C S Hammond & Co., N.Y
ATLANTIC OCEAN
ARCTIC OCEAN
NORTH SEA
Baltic Sea
MEDITERRANEAN SEA
BLACK SEA
Caspian Sea
Aral Lake
RED SEA
PERSIAN GULF
Gulf of Aden
ARABIAN SEA
INDIAN OCEAN
Kara Sea
Ob R.
Irtish R.
Tobolsk
Omsk
Volga R.
Ural R.
Syr Darya R.
TURKESTAN
Amu Darya R.
Khiva
Bokhara
Kabul
Khelat
Delhi
Indus R.
Euphrates R.
Tigris R.
Baghdad
Teheran
Aleppo
Beirut
Port Said
Jerusalem
Constantinople
Trebizond
Adriatic Sea
Maskat
Bombay
Aden
Colomb
ARCTIC CIRCLE
TROPIC OF CANCER
EQUATOR
20° 10° 0° 10° 20° 30° 40° 50° 60° 70°
60° 50° 40° 30° 20° 10° 0°
30° 40° 50° 60° Longitude 70° East

80° 90° 100° 110° 120° 130° 140° 150° 160° 170°
C. Chelyuskin
NICHOLAS II LAND
NEW SIBERIAN ISLANDS
ARCTIC OCEAN
BERING SEA
SEA OF OKHOTSK
SAKHALIN
Lena R.
Yenisei R.
Upper Tunguska R.
Stony Tunguska R.
Middle Tunguska R.
Zeuta R.
Lake Baikal
Tomsk
Irkutsk
Amur R.
Sungari R.
Ussuri R.
Kerulen R.
Gulf of Tartary
Vladivostok
JAPAN SEA
HONDO
Tokyo
Yokohama
SHIKOKU
KIUSHU
Nagasaki
BONIN IS.
MONGOLIA
Peking
Tientsin
Grand Canal
Seoul
YELLOW SEA
Shanghai
EAST CHINA SEA
RIUKIU IS.
FORMOSA
PACIFIC OCEAN
PERN TURKESTAN
Hwang Ho R.
Yangtze R.
Tuo R.
Sikang R.
TIBET
NEPAL
Brahmaputra R.
Canton R.
Hongkong
HAINAN
LUZON
PHILIPPINE ISLANDS
Manila
Calcutta
Mandalay
Irrawaddy R.
Rangoon
FRENCH INDO-CHINA
Mekong R.
CAMBODIA
Hanoi
BAY OF BENGAL
Bangkok
Gulf of Siam
MALAY PENINSULA
PALAWAN
Sulu Sea
MINDANAO
SOUTH CHINA SEA
Madras
CEYLON
Brunei
BRITISH NORTH BORNEO
SARAWAK
SULU IS.
CELEBES SEA
EQUATOR
NEW GUINEA
Strait of Malacca
STRAITS SETTLEMENTS
Singapore
SUMATRA
BORNEO
CELEBES
INDIAN OCEAN
ARCHIPELAGO
Batavia
FLORES
TIMOR
80° from 90° Greenwich 100° 130°
70° 60° 50° 40° 30° 20° 10° 0° 10°


POPULATION MAP
OF
ASIA
SCALE OF MILES
0 200 400 600 800 1000
REFERENCE
Density of Population
to the square mile.
Under 16 inhabitants.
16-32 ,,
32-64 ,,
64-128 ,,
128-256 ,,
256-512 ,,
over 512 ,,
Towns with over
100,000 inhabitants.
Hammond's Population Map of Asia
Copyright, 1916, by C.S. Hammond & Co., N.Y.
ATLANTIC OCEAN
ARCTIC OCEAN
EUROPE
ASIA
INDIAN OCEAN
ARABIAN SEA
RED SEA
MEDITERRANEAN SEA
BLACK SEA
CASPIAN SEA
ARAL SEA
PERSIA
ARABIA
INDIA
TURKESTAN
Iceland
Arctic Circle
British Isles
North Sea
Baltic Sea
Nova Zembla
Kara Sea
Ob R.
Tobolsk
Irtish R.
Omsk
Volga R.
Ural R.
Adriatic Sea
Constantinople
Trebizond
Baku
Aral Lake
Syr Daria R.
Amu Daria R.
Khiva
Bokhara
Aleppo
Beirut
Port Said
Jerusalem
Euphrates R.
Tigris R.
Bagdad
Teheran
Kabul
Khelato
Persian Gulf
Maskat
Tropic of Cancer
Delhi
Indus R.
Bombay
Godavari R.
Colomb
Aden
Gulf of Aden
Equator
20° 10° 0° 10° 20° 30° 40° 50° 60° 70°
60° 50° 40° 30° 20° 10° 0°
30° 40° 50° 60° Longitude 70° East

80° 90° 100° 110° 120° 130° 140° 150° 160° 170°
C. Chelyuskin
NICHOLAS II LAND
NEW SIBERIAN ISLANDS
ARCTIC OCEAN
BERING SEA
SEA OF OKHOTSK
SAKHALIN
Yenisei R.
Lena R.
Upper Tunguska
Stony Tunguska R.
Middle Tunguska R.
Lower Tunguska R.
Tomsk
Lake Baikal
Irkutsk
Amur R.
Ussuri R.
Gulf of Tartary
VEZZO
Vladivostok
Seaham R.
Kerulen R.
MONGOLIA
MANCHURIA
JAPAN
SEA
HONDO
Yokohama
Peking
Tsinan
Seoul
YELLOW SEA
Nagasaki
KIUSHU
SHIKOKU
BONIN IS.
Hoang Ho R.
Grand Canal
Shanghai
EAST CHINA SEA
RIU KIU IS.
FORMOSA
EMPIRE
PACIFIC OCEAN
TERN TURKESTAN
TIBET
Yangtze R.
Si R.
Canton
Hongkong
NEPAL
BHUTAN
Tsangpo
Cajcu
Mandalay
Irrawaddy R.
Hanoi
HAINAN
LUZON
PHILIPPINE ISLANDS
Manila
Rangoon
FRENCH INDO-CHINA
Mekong R.
CAMBODIA
BAY OF BENGAL
Bangkok
PALAWAN
Sulu Sea
MINDANAO
Madras
Gulf of Siam
MALAY PENINSULA
SOUTH CHINA SEA
Brunei
BRITISH NORTH BORNEO
SULU IS.
CELEBES SEA
EQUATOR
NEW GUINEA
CEYLON
STRAITS SETTLEMENTS
Strait of Malacca
SUMATRA
Singapore
EAST INDIAN ARCHIPELAGO
CELEBES
BORNEO
Batavia
FLORES
TIMOR
INDIAN OCEAN
80° from 90° Greenwich 100° 130°
60° 50° 40° 30° 20° 10° 0° 10°


REFERENCE
HEIGHT OF LAND
Over 6000 feet
3000-6000 "
1200-3000 "
600-1200 "
0-600 "
Below Sea Level
DEPTH OF SEA
0-100 fathoms
100-1000 "
1000-2000 "
2000-3000 "
Below 3000 "
Navigable Rivers
PHYSICAL MAP OF AUSTRALASIA
SCALE OF MILES
0 100 200 300 400 500 600
Hammond's Physical Map of Australasia
Copyright 1917 by C.S.Hammond & Co., N. Y.
ISOTHERMAL LINES
(In Degrees Fahrenheit)
for January (Summer)
for July (Winter)
INDIAN OCEAN
PACIFIC OCEAN
CORAL SEA
TASMAN SEA
ARAFURA SEA
TIMOR SEA
GULF OF CARPENTARIA
GREAT AUSTRALIAN BIGHT
Torres Strait
Bass Strait
EAST INDIAN ARCH.
TROPIC OF CAPRICORN
Longitude East from Greenwich
Longitude West
120°
130°
140°
150°
160°
170°
180°
110°
10°
20°
30°
40°
Perth
Adelaide
Melbourne
Sydney
Brisbane
Newcastle
Hobart
Wellington
NORTH ISLAND
SOUTH ISLAND
NEW ZEALAND
TASMANIA
Darwin
Townsville
Rockhampton
Alice Springs
MacDonnell Ra.
Musgrave Ra.
Great Dividing Range
C.York
C.Arnhem
C.Flattery
C.Townsend
C.Byron
C.Otway
C.Grim
North C.
East C.
Cook Strait
Fiji Is.
New Caledonia
Norfolk I.
Lord Howe I.
Loyalty Is.
Sandalwood Is.
Solomon Is.
Bismarck Archipelago
Timor
Melville
Bathurst
Groote Eylandt
Admiralty G.
Collier B.
King Sd.
Anson B.
Queens Chan.
Van Diemen G.
Palmerston
Darwin R.
Roper R.
Wellesley
Pr. Charlotte B.
Endeavour R.
Barrier Reef
Flinders R.
Fitzroy R.
Burdekin R.
Burnett R.
Tiaro R.
Tweed R.
Clarence R.
Hunter R.
Lachlan R.
Murrumbidgee R.
Murray R.
Darling R.
Gulf St. Vincent
Spencer G.
Kangaroo I.
Encounter B.
Streaky B.
Nuyts Arch.
Archipelago of the Recherche
Eyre Pen.
L. Eyre
L. Torrens
L. Gairdner
L. Frome
L. Blanche
L. Callabonna
L. Eyasmerang
L. Wells
L. Mackay
L. Macdonald
L. Amadeus
L. Nabberno
Salt L.
Great Sandy Desert
Gibson Desert
Great Victoria Desert
Nullarbor Plain
Australian Alps
Blue Mts.
Port Stephens
Broken Bay
Jervis B.
Port Phillip B.
Western Port
Wilsons Promontory
Gippsland Lakes
Port Hacking
Botany B.
Port Hunter
Port Macquarie
Moreton B.
Hervey B.
Port Curtis
Keppel B.
Shoalwater B.
Port Denison
Cleveland B.
Princess Charlotte B.
Albatross B.
Gulf of Carpentaria
Groote Eylandt
Sumba
Timor
Flores
Sumbawa
Banda Sea
Ceram Sea
Gilbert Is.
Ellice Is.
Samoa Is.
Tonga Is.
Kermadec Is.
Chatham Is.
Stewart I.
Foveaux Str.
Cook Str.
Banks Pen.
Mt. Cook
Mt. Egmont
Mt. Ruapehu
Mt. Tongariro
Mt. Tarawera
Mt. Ngauruhoe
Mt. Kosciusko
Mt. Bogong
Mt. Wellington
Mt. Lyell
Mt. Olympus
Mt. Ossa
Mt. Cradle
Mt. Barrow
Mt. Zeehan
Mt. Bischoff
Mt. Victoria
Mt. Dundas
Mt. Morgan
Mt. Isa
Mt. Gambier
Mt. Lofty
Mt. Remarkable
Mt. Lofty Ra.
Flinders Ra.
Grampians
Pyrenees
Dividing Range
Liverpool Ra.
Warrumbungle Mts.
Nandewar Mts.
Hastings R.
Manning R.
Clarence R.
Richmond R.
Brisbane R.
Mary R.
Burnett R.
Dawson R.
Fitzroy R.
Burdekin R.
Flinders R.
Gilbert R.
Leichhardt R.
Victoria R.
Ord R.
Fitzroy R.
Roebuck B.
Eighty Mile Beach
Nickol B.
Cossack
Roebourne
Port Hedland
Broome
Derby
Wyndham
Port Darwin
Port Essington
Melville I.
Bathurst I.
Groote Eylandt
Sir Edward Pellew Group
Wessel Is.
Arnhem B.
Van Diemen G.
Joseph Bonaparte G.
Timor Sea
Arafura Sea
Coral Sea
Tasman Sea
Indian Ocean
Pacific Ocean
Great Australian Bight
Gulf of Carpentaria
Bass Strait
Torres Strait
East Indian Arch.
Tropic of Capricorn
Longitude East from Greenwich
Longitude West
120°
130°
140°
150°
160°
170°
180°
110°
10°
20°
30°
40°
72
98
64
80
56
48
40
30
Perth
Adelaide
Melbourne
Sydney
Brisbane
Newcastle
Hobart
Wellington
Darwin
Townsville
Rockhampton
Alice Springs
MacDonnell Ra.
Musgrave Ra.
Great Dividing Range
C.York
C.Arnhem
C.Flattery
C.Townsend
C.Byron
C.Otway
C.Grim
North C.
East C.
Fiji Is.
New Caledonia
Norfolk I.
Lord Howe I.
Loyalty Is.
Timor
Melville
Bathurst
Groote Eylandt
Admiralty G.
Collier B.
King Sd.
Anson B.
Queens Chan.
Van Diemen G.
Palmerston
Darwin R.
Roper R.
Wellesley
Pr. Charlotte B.
Endeavour R.
Barrier Reef
Flinders R.
Fitzroy R.
Burdekin R.
Burnett R.
Tiaro R.
Tweed R.
Clarence R.
Hunter R.
Lachlan R.
Murrumbidgee R.
Murray R.
Darling R.
Gulf St. Vincent
Spencer G.
Kangaroo I.
Encounter B.
Streaky B.
Nuyts Arch.
Archipelago of the Recherche
Eyre Pen.
L. Eyre
L. Torrens
L. Gairdner
L. Frome
L. Blanche
L. Callabonna
L. Eyasmerang
L. Wells
L. Mackay
L. Macdonald
L. Amadeus
L. Nabberno
Salt L.
Great Sandy Desert
Gibson Desert
Great Victoria Desert
Nullarbor Plain
Australian Alps
Blue Mts.
Port Stephens
Broken Bay
Jervis B.
Port Phillip B.
Western Port
Wilsons Promontory
Gippsland Lakes
Port Hacking
Botany B.
Port Hunter
Port Macquarie
Moreton B.
Hervey B.
Port Curtis
Keppel B.
Shoalwater B.
Port Denison
Cleveland B.
Princess Charlotte B.
Albatross B.
Gulf of Carpentaria
Groote Eylandt
Sumba
Timor
Flores
Sumbawa
Banda Sea
Ceram Sea
Gilbert Is.
Ellice Is.
Samoa Is.
Tonga Is.
Kermadec Is.
Chatham Is.
Stewart I.
Foveaux Str.
Cook Str.
Banks Pen.
Mt. Cook
Mt. Egmont
Mt. Ruapehu
Mt. Tongariro
Mt. Tarawera
Mt. Ngauruhoe
Mt. Kosciusko
Mt. Bogong
Mt. Wellington
Mt. Lyell
Mt. Olympus
Mt. Ossa
Mt. Cradle
Mt. Barrow
Mt. Zeehan
Mt. Bischoff
Mt. Victoria
Mt. Dundas
Mt. Morgan
Mt. Isa
Mt. Gambier
Mt. Lofty
Mt. Remarkable
Mt. Lofty Ra.
Flinders Ra.
Grampians
Pyrenees
Dividing Range
Liverpool Ra.
Warrumbungle Mts.
Nandewar Mts.
Hastings R.
Manning R.
Clarence R.
Richmond R.
Brisbane R.
Mary R.
Burnett R.
Dawson R.
Fitzroy R.
Burdekin R.
Flinders R.
Gilbert R.
Leichhardt R.
Victoria R.
Ord R.
Fitzroy R.
Roebuck B.
Eighty Mile Beach
Nickol B.
Cossack
Roebourne
Port Hedland
Broome
Derby
Wyndham
Port Darwin
Port Essington
Melville I.
Bathurst I.
Groote Eylandt
Sir Edward Pellew Group
Wessel Is.
Arnhem B.
Van Diemen G.
Joseph Bonaparte G.
Timor Sea
Arafura Sea
Coral Sea
Tasman Sea
Indian Ocean
Pacific Ocean
Great Australian Bight
Gulf of Carpentaria
Bass Strait
Torres Strait
East Indian Arch.
Tropic of Capricorn


POLITICAL AND ECONOMIC MAP OF
AUSTRALASIA
SCALE OF MILES
0 100 200 300 400 500 600 700 800
Railroads
Principal Workings
Iron
Gold
Silver
Copper
Kauri Gum
Coal
Lead
Zinc
Tin
Agricultural products are indicated by initial letters in districts where the products are largely obtained:-
Fr Fruit
M Maize
O Oats
Su Sugar
V Vineyards
W Wheat
Hammond's Political & Economic Map of Australasia
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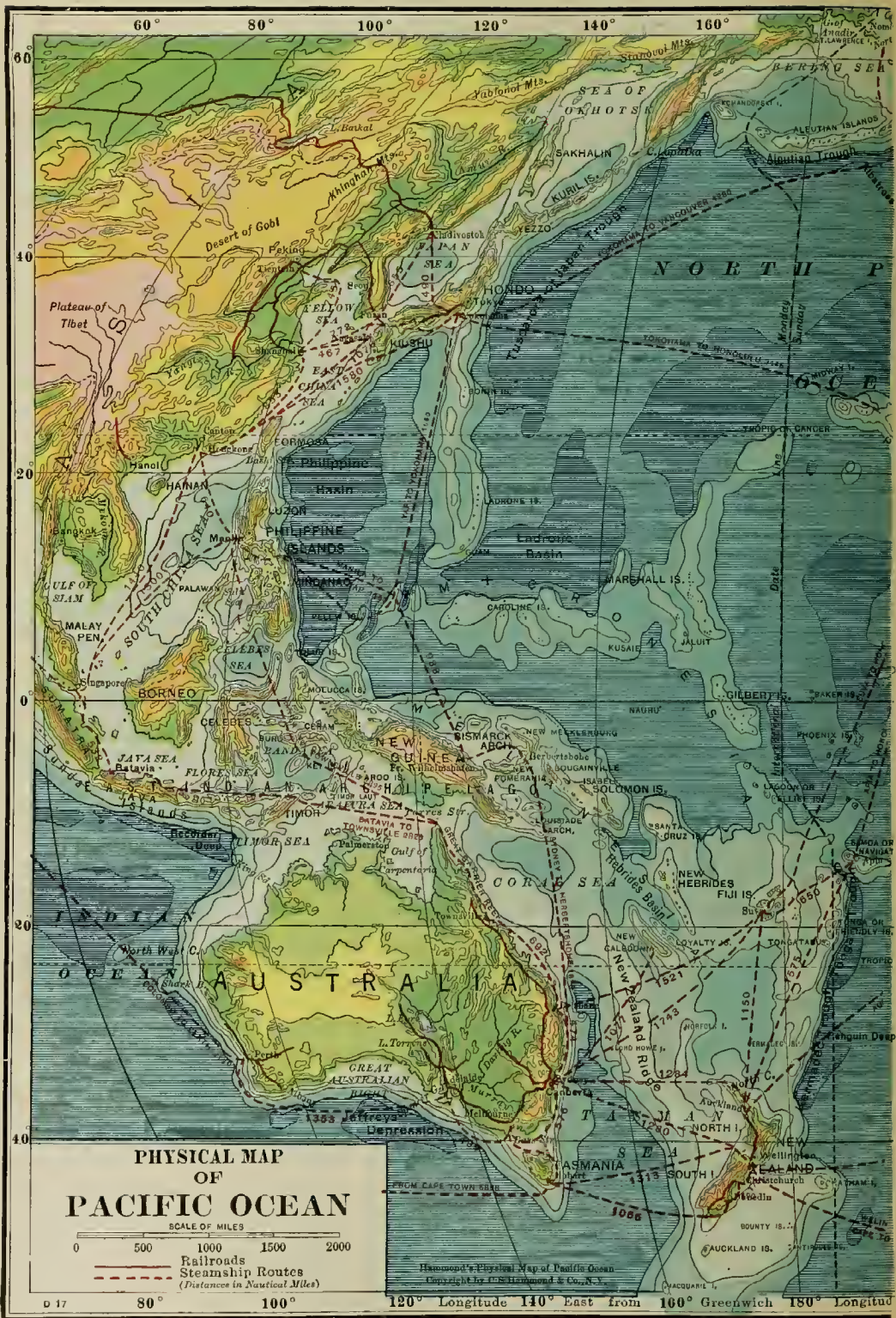
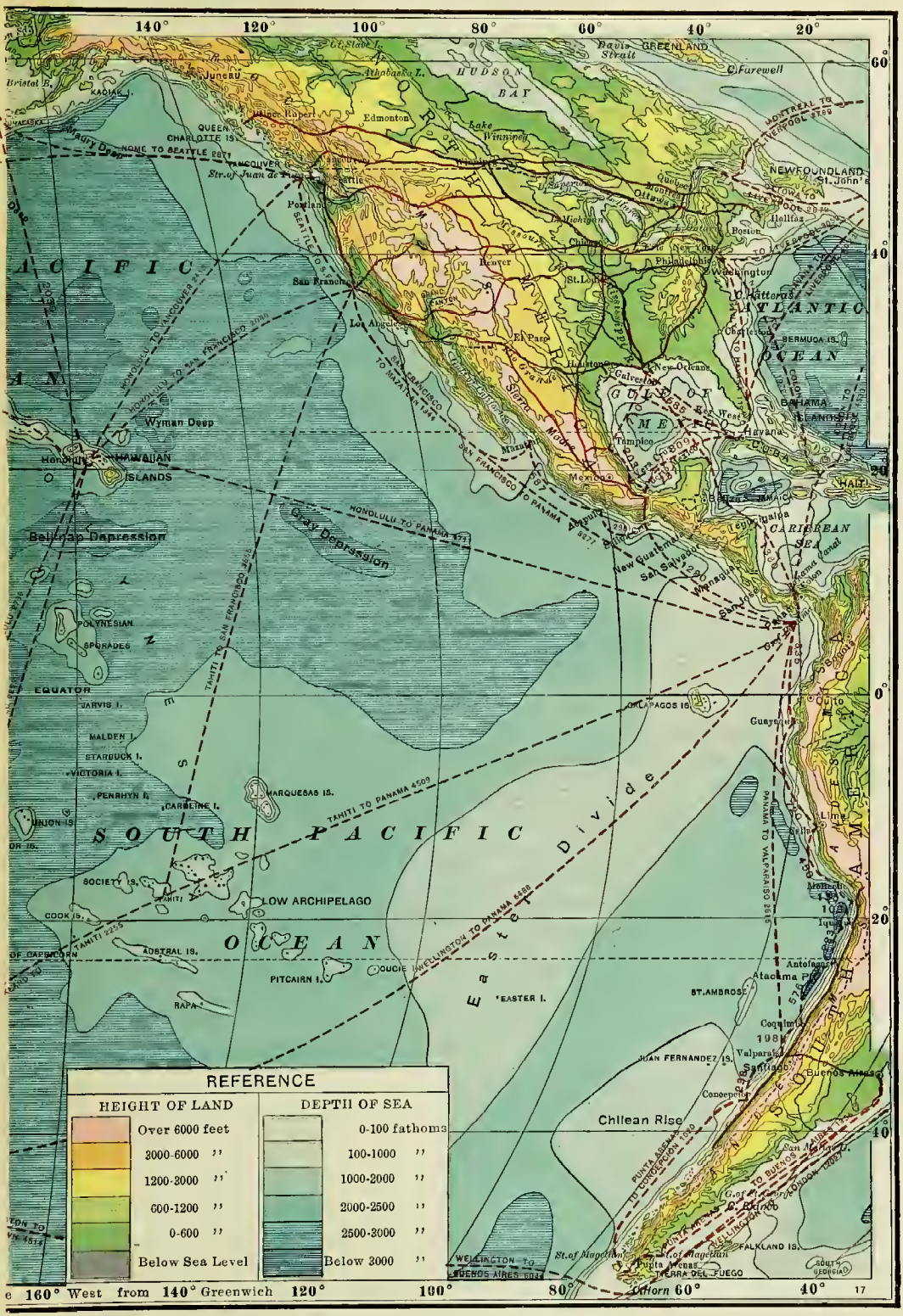
INDIAN OCEAN
PACIFIC OCEAN
TASMAN SEA
ARAFURA SEA
TIMOR SEA
CORAL SEA
GULF OF CARPENTARIA
GREAT AUSTRALIAN BIGHT
COMMONWEALTH TERRITORY
WESTERN AUSTRALIA
SOUTH AUSTRALIA
QUEENSLAND
NEW SOUTH WALES
VICTORIA
TASMANIA
NEW ZEALAND
NORTH ISLAND
SOUTH ISLAND
Bass Strait
Torres Strait
Great Barrier Reef
TROPIC OF CAPRICORN
Longitude from Greenwich
Longitude West
Longitude East


PHYSICAL MAP
OF
PACIFIC OCEAN
SCALE OF MILES
0 500 1000 1500 2000
Railroads
Steamship Routes
(Distances in Nautical Miles)
Hammond's Physical Map of Pacific Ocean
Copyright by C.S. Hammond & Co., N.Y.
PACIFIC OCEAN
INDIAN OCEAN
AUSTRALIA
NEW GUINEA
NEW ZEALAND
NORTH I.
SOUTH I.
TASMANIA
SEA OF OKHOTSK
JAPAN SEA
YELLOW SEA
EAST CHINA SEA
SOUTH CHINA SEA
CORAL SEA
TASMAN SEA
BERING SEA
Desert of Gobi
Plateau of Tibet
Great Australian Bight
Jeffreys Depression
Tropic of Cancer
Tropic of Capricorn
Equator
Date Line
Aleutian Trough
Tuscarora Deep
Kermadec Trough
Hebrides Basin
Penguin Deep
Ladronic Basin
Philippine Basin
New Zealand Ridge
Melanesian Basin
Great Barrier Reef
Torres Str.
Bass Str.
Cook Str.
Formosa Str.
Luzon Str.
Malacca Str.
Sunda Str.
Lombok Str.
Timor Sea
Arafura Sea
Celebes Sea
Java Sea
Flores Sea
Banda Sea
Gulf of Siam
Gulf of Carpentaria
Gulf of Alaska
Aleutian Islands
Kuril Is.
Japan
Formosa
Philippine Islands
Luzon
Hainan
Borneo
Celebes
Java
Sumatra
Timor
Malay Pen.
Marshall Is.
Caroline Is.
Gilbert Is.
Solomon Is.
New Hebrides
Fiji Is.
Loyalty Is.
Tonga Is.
Samoa or Navigator Is.
Phoenix Is.
Line Is.
Marquesas Is.
Society Is.
Tuamotu Archipelago
Low Archipelago
Hawaiian Is.
Midway Is.
Wake I.
Guam
Ladrone Is.
Bonin Is.
Volcano Is.
Yezzo
Hondo
Kiushu
Sakhalin
Kurile Is.
Kamchatka
Bering Sea
Sea of Okhotsk
Yablonoi Mts.
Stanovoi Mts.
L. Baikal
Amur R.
Yangtze R.
Yellow R.
Mekong R.
Irrawaddy R.
Ganges R.
Indus R.
Murray R.
Darling R.
Swan R.
Yarra R.
Derwent R.
Murchison R.
Fraser R.
Columbia R.
Yukon R.
Mackenzie R.
Colorado R.
Rio Grande
Panama Canal
Magellan Str.
Cape Horn
Tierra del Fuego
Falkland Is.
Juan Fernandez Is.
Easter I.
Galapagos Is.
Cocos I.
Clipperton I.
Revillagigedo Is.
Lower California
Alaska
Yukon Territory
Mackenzie
Hudson Bay
Greenland
Iceland
Spitsbergen
Novaya Zemlya
Kara Sea
Barents Sea
White Sea
Baltic Sea
North Sea
English Channel
Bay of Biscay
Mediterranean Sea
Black Sea
Caspian Sea
Red Sea
Persian Gulf
Arabian Sea
Bay of Bengal
Andaman Is.
Nicobar Is.
Ceylon
Madagascar
Mozambique Channel
Cape of Good Hope
Natal
Zanzibar
Abyssinia
Somaliland
Arabia
Palestine
Egypt
Suez Canal
Sahara
Nile R.
Congo R.
Niger R.
Senegal R.
Gambia R.
Liberia
Gold Coast
Ivory Coast
Dahomey
Nigeria
Cameroon
Angola
Rhodesia
Transvaal
Orange Free State
Cape Colony
Basutoland
Bechuanaland
German S.W. Africa
German E. Africa
Portuguese E. Africa
Portuguese W. Africa
Spanish Morocco
Algeria
Tunis
Tripoli
Morocco
Canary Is.
Azores
Madeira
Cape Verde Is.
St. Helena
Ascension I.
Tristan da Cunha
Bouvet I.
Kerguelen I.
St. Paul I.
Amsterdam I.
Crozet Is.
Prince Edward Is.
Marion I.
Heard I.
Macquarie I.
Auckland Is.
Campbell I.
Antipodes Is.
Bounty Is.
Kermadec Is.
Norfolk I.
Lord Howe I.
Chatham Is.
Christmas I.
Wake I.
Johnston I.
Palmyra I.
Fanning I.
Christmas I.
Line Is.
Phoenix Is.
Gilbert Is.
Ellice Is.
Tokelau Is.
Union Is.
Cook Is.
Society Is.
Marquesas Is.
Tuamotu Archipelago
Low Archipelago
Pitcairn I.
Easter I.
Juan Fernandez Is


140° 120° 100° 80° 60° 40° 20°
Davis Strait
GREENLAND
C. Farewell
HUDSON BAY
Juneau
Edmonton
Lake Winnipeg
Prince Rupert
QUEEN CHARLOTTE IS.
NOME TO SEATTLE 2071
VANCOUVER I.
Str. of Juan de Fuca
Seattle
Portland
SEATTLE TO HONOLULU 2410
NEWFOUNDLAND
St. John's
Halifax
Boston
New York
Philadelphia
Washington
Chicago
San Francisco
Denver
St. Louis
Los Angeles
El Paso
Houston
Galveston
New Orleans
C. Hatteras
ATLANTIC OCEAN
BERMUDA IS.
Charleston
GULF OF MEXICO
Havana
BAHAMA ISLANDS
Pinpico
Mexico
Vera Cruz
JAMAICA
HAITI
Wyman Deep
HAWAIIAN ISLANDS
Honolulu
Beltrap Depression
Gray Depression
HONOLULU TO PANAMA 4771
SAN FRANCISCO TO PANAMA 4677
CARIBBEAN SEA
Panama Canal
Guatemala
San Salvador
Managua
POLYNESIAN SPORADES
EQUATOR
JARVIS I.
MALDEN I.
STARBUCK I.
VICTORIA I.
PENRHYN I.
CAROLINE I.
MARQUESAS IS.
TAHITI TO PANAMA 4705
SOUTH PACIFIC OCEAN
East Pacific Divide
SOCIETY IS.
TAHITI
LOW ARCHIPELAGO
COOK IS.
TAHITI 2225
AUSTRAL IS.
PITCAIRN I.
OUCIE I.
WELLINGTON TO PANAMA 6486
EASTER I.
RAPA
GALAPAGOS IS.
Guayaquil
PANAMA TO VALPARAISO 2895
Lima
Callao
Arica
Iquique
Antofagasta
Atacama Pass
ST. AMBROSE
Coquimbo
1981
Valparaiso
JUAN FERNANDEZ IS.
Santiago
Buenos Aires
Concepcion
Chilean Rise
San Ambrosio I.
G. of Penas
C. Pillar
PUNTA ARENAS TO CONCEPCION 1040
PUNTA ARENAS TO BUENOS AIRES 1000
WELLINGTON TO BUENOS AIRES 6044
St. of Magellan
Punta Arenas
TIERRA DEL FUEGO
FALKLAND IS.
SOUTH GEORGIA
Cape Horn 60°
REFERENCE
HEIGHT OF LAND
Over 6000 feet
3000-6000 ''
1200-3000 ''
600-1200 ''
0-600 ''
Below Sea Level
DEPTH OF SEA
0-100 fathoms
100-1000 ''
1000-2000 ''
2000-2500 ''
2500-3000 ''
Below 3000 ''
160° West from 140° Greenwich 120° 100° 80° 60° 40°
60°
40°
20°
0°
20°
40°

VEGETATION MAP
OF
AUSTRALASIA
SCALE OF MILES
0 100 200 300 400 500 600
Hammond's Vegetation Map of Australasia
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120°
130°
140°
110°
Longitude
East
10°
20°
30°
40°
INDIAN OCEAN
EASTERN AUSTRALIA
WESTERN AUSTRALIA
COMMONWEALTH TERRITORY
QUEENSLAND
NEW SOUTH
VICTORIA
TASMANI
NEW GUINEA
PAPUA
ARAFURA SEA
TIMOR SEA
FLORES SEA
BANDA SEA
EAST INDIAN
GULF OF CARPENTARIA
GULF OF PAPUA
GREAT AUSTRALIAN BIGHT
TORRES STRAIT
CELEBES
TOLO BAY
AMBOINA
BANDA IS.
KEI IS.
ARU IS.
TIMOR LAUT
FREDERICK HENRY I.
Port Moresby
Makassar Strait
Gulf of Boni
BUTON
SALAYER
FLORES
OOMBLEN
WETTER
SUMBAWA
Sandalwood Str.
SUMBA
SAVU
ROTTI
MELVILLE I.
BATHURST I.
MELVILLE I.
WESSEL IS.
THURSDAY I.
C.York
CAPE
YORK
PENINSULA
GROOTE EYLANDT
ARNHEM LAND
SIR EDWARD PELLEW GROUP
WELLESLEY IS.
CARTIER I.
SCOTTS REEF
ROWLEY SHOALS
Admiralty G.
Queen's Channel
Cambridge G.
King Sd.
Roebuck B.
De Grey R.
CAMPIER ARCH.
BARROW I.
N.West C.
Fortescue R.
L.Macdonald
L.Amadeus
L.Wells
L.Baron v. Mueller
L.Carey
L.Boomerang
L.Darling
L.Torrens
L.Gairdner
Dry Salt Lakes
Gascoyne R.
Murchison R.
Swan R.
Perth
Albany
C.Naturaliste
C.Arid
ARCHIPELAGO OF THE RECHERCHE
HOUTMAN ROCKS
Geelvink Chan.
Barkly R.
Georgina R.
Diamantina R.
Cooper Cr.
Herbert R.
Flinders R.
Gilbert R.
Leichhardt R.
Barcoo R.
Thomson R.
Darling R.
Lachlan R.
Murray R.
Murrumbidgee R.
Goulburn R.
Campaspe R.
Loddon R.
Avoca R.
Wimmera R.
Glenelg R.
Hopkins R.
Lake Eyre
L.Frome
L.Torrens
L.Gairdner
L.Callabonna
L.Frome
L.Eyre
L.Gregory
Spencer Gulf
Investigator Str.
KANGAROO I.
Encounter B.
Melbourne
C.Northumberland
Pt.Phillip
Bass Strait
FLINDERS I.
KING I.
C.Grim
Hobart
Sout
Mallee
Mt.Isa
Mt.Wells
Mt.Gillen
Mt.Olga
Ayers Rock
Mt.Conner
Mt.Musgrave
Mt.Woodroffe
Mt.Barkly
Mt.Sonder
Mt.Zeil
Mt.Hay
Mt.Davenport
Mt.Dutton
Mt.Lofty
Mt.Remarkable
Mt.Arapiles
Mt.Buffalo
Mt.Kosciusko
Mt.Bogong
Mt.Hotham
Mt.Feathertop
Mt.Cobbler
Mt.Bimberi
Mt.Kaputar
Mt.Warrenbungle
Mt.Canobolas
Mt.Kaputar
Mt.Lindesay
Mt.Barney
Mt.Tamborine
Mt.Cordeaux
Mt.Gambier
Mt.Schank
Mt.Lofty
Mt.Remarkable
Mt.Arapiles
Mt.Buffalo
Mt.Kosciusko
Mt.Bogong
Mt.Hotham
Mt.Feathertop
Mt.Cobbler
Mt.Bimberi
Mt.Kaputar
Mt.Warrenbungle
Mt.Canobolas
Mt.Kaputar
Mt.Lindesay
Mt.Barney
Mt.Tamborine
Mt.Cordeaux
Mt.Gambier
Mt.Schank

REFERENCE
Natural Vegetation
Alpine Flora
Evergreen Trees and Shrubs
Sub-tropical and Temperate Forest
Sub-tropical and Temperate Woodland
Temperate Grasslands
Semi-Desert
Desert
Tropical Grasslands
Tropical Wooded Grasslands
Equatorial and Tropical Forest
SCRUB FORMATIONS
Mulga and Brigalow
Mallee
150°
160°
170°
180°
Longitude
West
Greenwich
10°
20°
30°
40°
BISMARCK ARCHIPELAGO
NEW MECKLENBURG
NEW POMERANIA
BOUGAINVILLE
SOLOMON ISLANDS
CHOISEUL
ISABELL
NEW GEORGIA
WOODLARK I.
D'ENTRECASTEAUX ARCHIPELAGO
LOUISIADE ARCHIPELAGO
GUADALCANAR
MALAYTA
SAN CRISTOVAL
RENNELL
SANTA CRUZ IS.
BANKS IS.
NEW HEBRIDES
ESPIRITU SANTO
MALLICOLO
ERROMANGO
NEW CALEDONIA
Noumea
LOYALTY IS.
FIJI IS.
VANUA LEVU
VITI LEVU
SUVA
KANDAVU
TROPIC OF CAPRICORN
NORFOLK I.
LORD HOWE I.
KERMADEC IS.
C. Townsend
Rockhampton
Fitzroy R.
Burnett R.
Hervey B.
Sandy C.
GT. SANDY I.
Maryborough
Brisbane
MORETON I.
STRADBROKE I.
Clarence R.
Newcastle
Sydney
Canberra
C. Howe
FURNEAUX GROUP
Launceston
North C.
Auckland
GT. BARRIER I.
NORTH ISLAND
East C.
C. Farewell
Cook Strait
Hawkes Bay
Wellington
SOUTH ISLAND
NEW ZEALAND
Christchurch
Dunedin
STEWART I.
S.W. Cape
CHATHAM I.
OCEAN
PACIFIC
TASMAN SEA
CORAL SEA
REEF

POPULATION MAP OF AUSTRALASIA

SCALE OF MILES

0 100 200 300 400 500 600

Hammond's Population Map of Australasia
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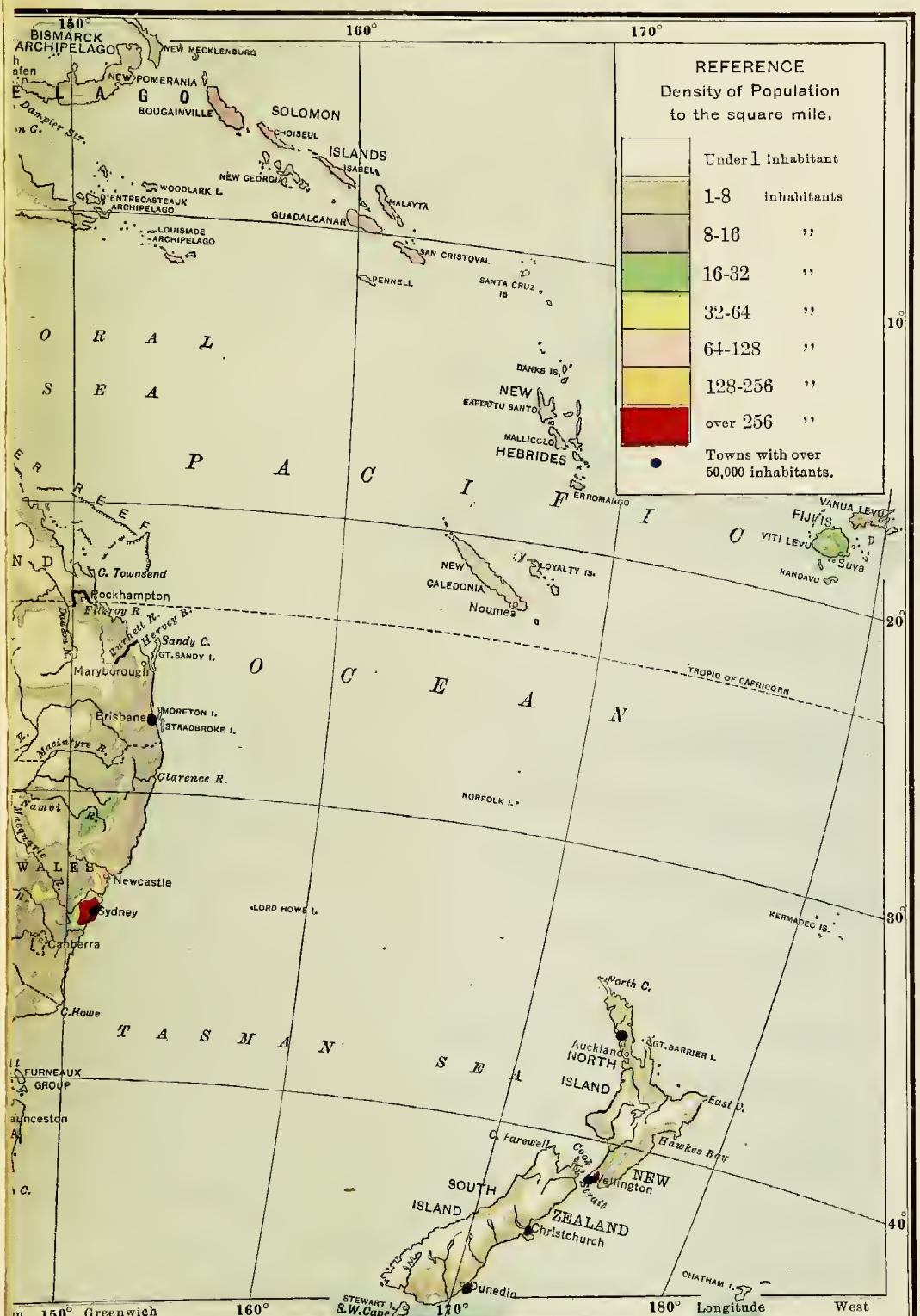

REFERENCE
Density of Population to the square mile.
Under 1 inhabitant
1-8 inhabitants
8-16 ,,
16-32 ,,
32-64 ,,
64-128 ,,
128-256 ,,
over 256 ,,
Towns with over 50,000 inhabitants.
150°
160°
170°
180°
Longitude
West
Greenwich
10°
20°
30°
40°
BISMARCK ARCHIPELAGO
NEW MECKLENBURG
NEW POMERANIA
BOUGAINVILLE
SOLOMON ISLANDS
CHOISEUL
ISABEL
NEW GEORGIA
WOODLARK I.
D'ENTRECASTEAUX ARCHIPELAGO
LOUISIADE ARCHIPELAGO
GUADALCANAR
MALAYTA
SAN CRISTOVAL
RENNELL
SANTA CRUZ IS.
CORAL SEA
BANKS IS.
NEW HEBRIDES
ESPIRITU SANTO
MALLICOLO
ERROMANGO
FIJI IS.
VANUA LEVU
VITI LEVU
Suva
KANDAVU
NEW CALEDONIA
Noumea
LOYALTY IS.
GREAT BARRIER REEF
C. Townsend
Rockhampton
Fitzroy R.
Burnett R.
Hervey B.
Sandy C.
GT. SANDY I.
Maryborough
Brisbane
MORETON I.
STRADBROKE I.
Macintyre R.
Clarence R.
TROPIC OF CAPRICORN
NORFOLK I.
Namoi R.
Macquarie R.
NEW SOUTH WALES
Newcastle
Sydney
LORD HOWE I.
KERMADEC IS.
Canberra
C. Howe
TASMAN SEA
FURNEAUX GROUP
Launceston
North C.
Auckland
GT. BARRIER I.
NORTH ISLAND
East C.
C. Farewell
Cook Str.
Hawkes Bay
Wellington
NEW ZEALAND
SOUTH ISLAND
Christchurch
Dunedin
CHATHAM I.
STEWART I.
S.W. Cape

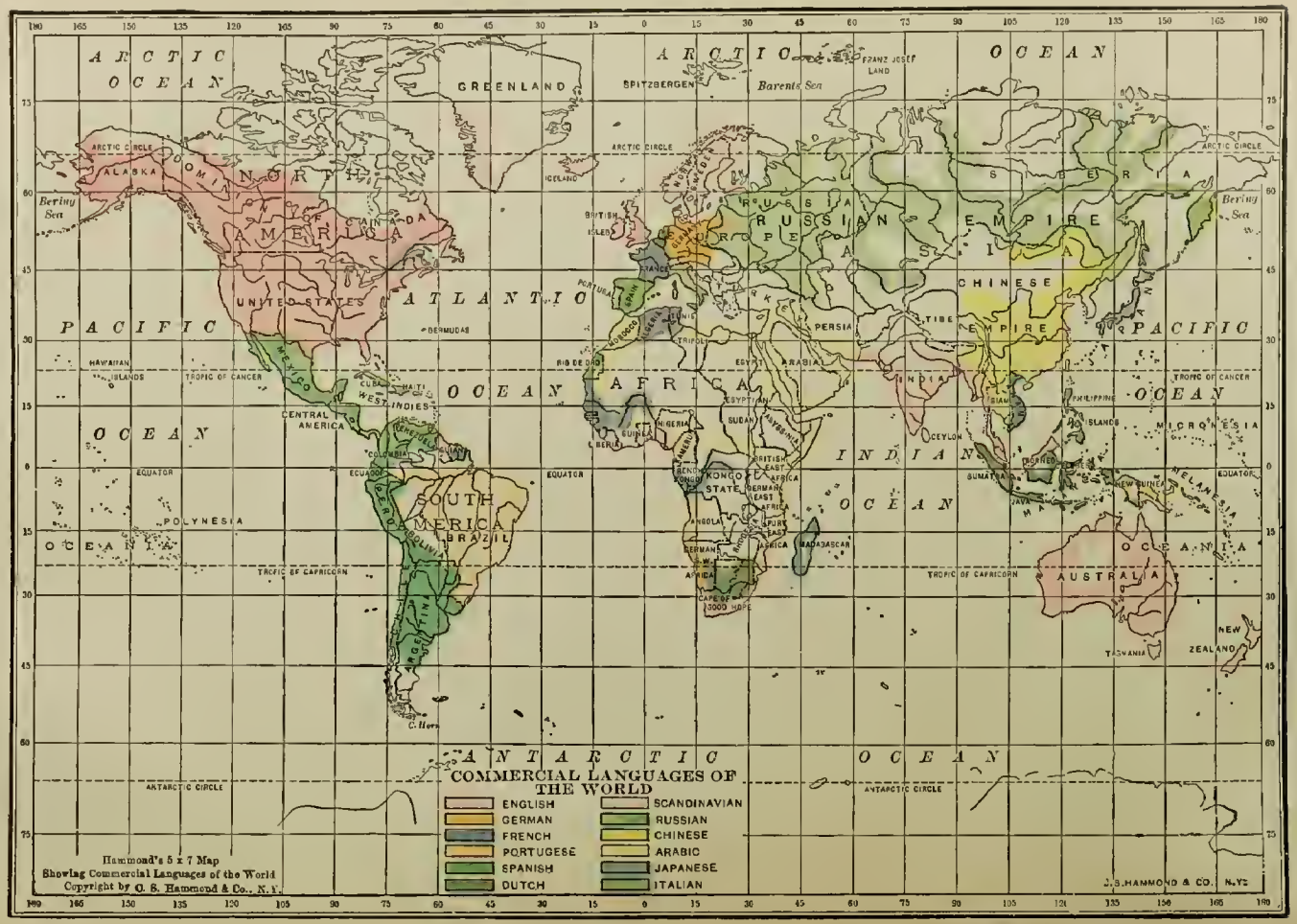
THE WORLD
showing
ANNUAL RAINFALL
and
RANGE OF TEMPERATURE
with
JULY CURRENTS
REFERENCE
Annual Rainfall in inches
Over 80
60-80
40-60
20-40
10-20
Under 10
The red lines, showing the Mean Annual Range of Temperature, denote the difference in degrees Fahrenheit between the Mean Temperature of the coldest month and that of the warmest month.
Ocean Currents
Warm Currents
Cool "
Cold "
ARCTIC
NORTH AMERICA
GREENLAND (Danish)
SOUTH AMERICA
Hudson Bay
Gulf of Mexico
Caribbean Sea
Antarctic Drift
Hammond's 8 x 11 Rain
Copyright b
160° 140° 120° 100° 80° Longitude 60° West 40° from 20° Greenwich 0° Longitude

all and Temperature Map of the World.
C.S. Hammond & Co., N.Y.

ude 20° East 40° from 60° Greenwich 80° 100° 120° 140° 160° 180° 18

THE WORLD
showing
NATURAL VEGETATION
with
JANUARY CURRENTS
REFERENCE
Natural Vegetation
Ice Desert & Tundra, Mountain
Desert & Semi-Desert
Coniferous Forest
Broad-leaved Forest and
Meadow
Sub tropical
Evergreen Woodlands
Evergreen Trees & Shrubs
Temperate Grasslands
Semi-Desert
Desert
Tropical Grasslands,
Savannah and Thorn Forest
Equatorial & Tropical Forest
Ocean Currents
Warm Currents
Cool "
Cold "
ARCTIC
GREENLAND (Danish)
NORTH AMERICA
SOUTH AMERICA
ANTARCTIC
EUROPE
AFRICA
Beaufort Sea
Hudson Bay
Baffin Bay
Davis Strait
Greenland Sea
Norwegian Sea
North Atlantic Drift
North Pacific Current
Northern Equatorial Current
Counter Current
Southern Equatorial Current
N. Equatorial Current
S. Equatorial Current
Peruvian Current
Brazil Current
Antarctic Drift
Caribbean Sea
Gulf of Mexico
EQUATOR
TROPIC OF CANCER
TROPIC OF CAPRICORN
ARCTIC CIRCLE
Str. of Magellan
Hammond's 8 x
Copyright
160° 140° 120° 100° 80° Longitude 60° West 40° from 20° Greenwich 0° Longit

11 Vegetation Map of the World
by C.S.Hammond & Co., N.Y.


COMMERCIAL LANGUAGES OF THE WORLD
ENGLISH
GERMAN
FRENCH
PORTUGESE
SPANISH
DUTCH
SCANDINAVIAN
RUSSIAN
CHINESE
ARABIC
JAPANESE
ITALIAN
Hammond's 5 x 7 Map
Showing Commercial Languages of the World
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ARCTIC OCEAN
ATLANTIC OCEAN
PACIFIC OCEAN
INDIAN OCEAN
ANTARCTIC OCEAN
GREENLAND
SPITZBERGEN
Barents Sea
FRANZ JOSEF LAND
RUSSIAN EMPIRE
SIBERIA
CHINESE EMPIRE
NORTH AMERICA
UNITED STATES
CANADA
ALASKA
MEXICO
CENTRAL AMERICA
WEST INDIES
SOUTH AMERICA
BRAZIL
EUROPE
ASIA
AFRICA
AUSTRALIA
NEW ZEALAND
TASMANIA
MICRONESIA
MELANESIA
POLYNESIA
PERSIA
ARABIA
INDIA
CEYLON
SUMATRA
JAVA
BORNEO
NEW GUINEA
PHILIPPINE ISLANDS
SIAM
TIBET
EGYPT
SUDAN
ABYSSINIA
ALGERIA
TRIPOLI
MOROCCO
CONGO FREE STATE
BRITISH EAST AFRICA
GERMAN EAST AFRICA
ANGOLA
MADAGASCAR
CAPE OF GOOD HOPE
ICELAND
BRITISH ISLES
FRANCE
SPAIN
PORTUGAL
BERMUDAS
HAWAIIAN ISLANDS
ARCTIC CIRCLE
TROPIC OF CANCER
EQUATOR
TROPIC OF CAPRICORN
ANTARCTIC CIRCLE
Bering Sea
C. Horn